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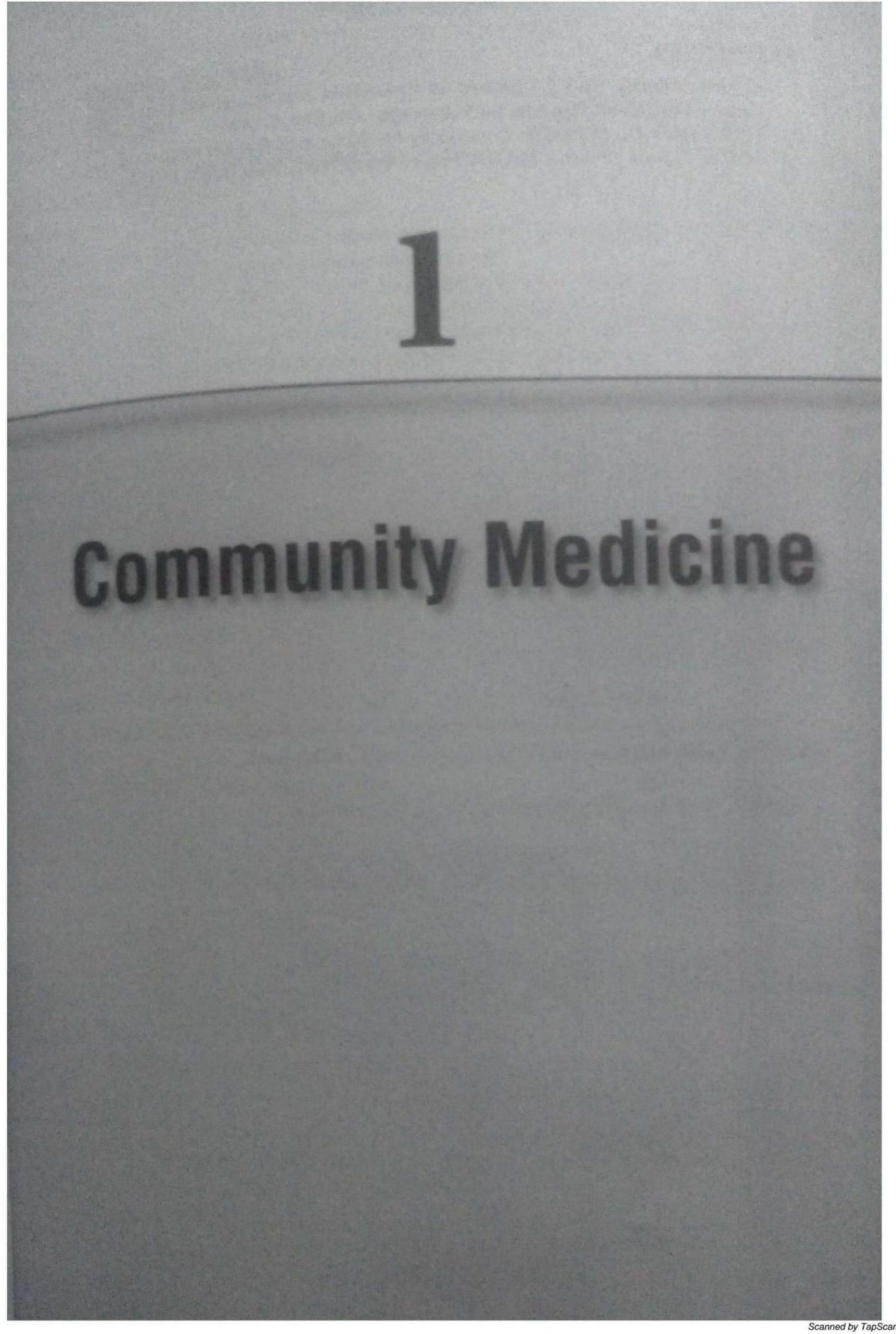
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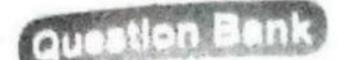
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## Companion for 3rd MBBS

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Manhatan MANAGER				
		PARK	SYKNT	
	NAND MEDICINE: TOWARDS			
HE	ALTH FOR ALL			
March 197	rt Answers			
	List the Indian Systems of Medicine.	•		
2	Add a note on father of medicine.	2	710	D09(RS2)
3.	John snow.	3	-	D11
		5	_	D10
9	What is the contribution to medical sciences by: (a) Robert Koch, (b) John Snow and (c) James Lind.	5-6	920	D10(RS2)
5.	Pasteur to community medicine?	6	920	J05, J06
6.	Lind in community medicine?	6	_	D03
7.	Contributions of Edward Jenner (to community medicine).		919	J04, D04, D12
8.	What is contribution of Ronald Ross to public health?	6	921	J07
9.	What is the contribution to medical sciences by: (a) Edward Jenner, (b) Ronald Ross and (c) Louis Pasteur.	6	919	J09
10	Social medicine.	8	3	J08(RS2)
11.	What do you mean by "de-professionali- zation of medicine".	11	_	D13(RS3)
CH	IAPTER 2			
	NCEPT OF HEALTH AND DISEASE			
Lo	ng Essays			
1.	Define health. Describe in detail about indicators of health.	14, 24	6, 9	J15, D16
2.	Justify the role of healthy life style in promotion of health. Give two examples of lifestyle factor that promote health and two examples that cause disease. Describe how can you influence lifestyle changes that promote health.		8	D02
3.	- the indicators of health and	24, 17	9, 7	D09
The state of		200		

Describe Sullivan's inde	PARK			13
calculated? "" now it is		THAIL		
5. Changing concepts in public health.		10	D09, J17	
6. Hollstic approach in medicine	13		D16	
7. Critically discuss strengths and weaknesses of the WHO definition	14		D19(RS3)	
health.		6	J14	
Define health. Describe the dimensions of health.		6		
9. What are the components of positive health?		6	J12(RS2), D13(RS3)	
10. Human development index (HDI)— indicators.	47		J03	
indicators.	1/	7	D09(RS2),	
			J16(RS3), J19(RS3),	
M. Determinants of health.	18	8	J14, J17	
12. "Life style" as etiplomists			J16(RS3), D08, J09	
12. "Life style" as etiology of diseases (describe lifestyles affecting our health)		8	J16(RS3),	
13. How will you measure the health of a community?	a 24	216	D08	
14. Disability indicators.			311	
	26	9	D08(RS2), J12(RS2), D13(RS3), D14(RS3), J17(RS3)	
15. Health-care delivery indicators.	27	10	D16(RS3)	
16. What are the main features of the healt team concept?			D00, D01, J10, D15	
17. What are the various concepts related to causation of disease?		11	J09	
18. Describe the epidemiological triad givir suitable examples.	ng 39	11	J01, J07, J1	2
19. Describe multifactorial causation disease with example.	of 40	11	J06	
20. What is web of causation? Explain wi a suitable example.	ith 41	11	D13(RS3)	
21. Natural history of a disease and i stages.	its 41	12	D08(RS2), J16(RS3), D05, D12	

Contd			
		SYKNT	
7 What is meant by spectrum of health?	18	7	D07
8. Write about determinants of health.	18	8	D03
o Lifestyle and health.	19	8	D16
10. What is disability-adjusted life year (DALY's)?	26	10	J10, D13
11. Mention 'health-care delivery' indicators.	27	10	J14
12. What is health team?	36		J02
13. Germ theory of disease.	39	11	J12(RS2)
14. What is epidemiological triad?	39	11	D10(RS2), D14(RS3), D02, J10
15. What is web of causation of disease?	41	11	D07
16. Iceberg phenomenon of disease.	46	14	J17
17. Definitions of control, elimination and eradication.	46	236	J09(RS2), D06, J17
18. What is the main aim of disease eradication?	46	236	J01
19. Sentinel surveillance.	47	238	D10(RS2), D19(RS3), D14
20. Describe primordial prevention with examples.	48	15	J05, J14
21. Describe primary prevention with example.	48	15	J04, D03
22. Describe tertiary prevention with example.	48	17	D04
23. Modes of intervention.	49	15	J12(RS2)
24. Health promotion and specific protection.	49	15	J19(RS3)
25. Describe specific protection with example.	50	15	J06, D14
26. Disability limitation.	50	17	J10, D12(RS3)
27. Types of rehabilitation (three examples of rehabilitative measures).	51	17	J15
28. Vocational rehabilitation.	51	17	J19(RS3)

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		PARK	SYKNT	
	What is a randomized controlled trial? Enumerate the different types of randomized controlled trials (RCT). Outline the steps involved in conducting a RCT. Add a note on "blinding".	89	230	J13(RS3), D14(RS3), D15(RS3)
	Define the terms endemic, epidemic and pandemic. Outline the objectives and steps involved in the investigation of an epidemic.	101,	236, 243	J19(RS3), J04, D04, D14
13.	Define epidemiology. What is chain of infection? What are the various modes of disease transmission? Describe briefly various measures of prevention and control of communicable diseases against each of the links in disease transmission.	60,	215, 239, 244	J09(RS2), J16(RS3), D18(RS3)
14.	Who is carrier of infection? What are the types of carriers, give appropriate examples? Write control measures for each of these.	103	239, 244	J12
15.	What are the host defence mechanisms?  Describe briefly about the various components of the host defence mechanisms.	108		J11(RS2)
16.	What is cold chain? Describe the cold chain equipments. Mention the factors that determine the effective functioning of cold chain.	117	258	J10, D12
17.	Write in detail about "adverse events following immunization (AEFI)" and the precautions to be taken.	122	248	D16(RS3)
18.	Discuss in detail about the various agents used for disinfection	140	268	D10(RS2)
19	Explain the steps in "investigation of an epidemic" with suitable examples.	143	243	D15(RS3)
Sho	ort Essays			
A.	Ecological studies.	-		D14(RS3)
2.	What is the difference between relative and attributable risk?		229	J01
3.	Explain differences between an epidemic sporadic endemic and pandemic. Give suitable examples.			D02  Contd
		THE RESERVE THE REAL PROPERTY.		

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	4. Differentiate between a carrier and a partie of infection.			J05
	resortiate between incubility.			J04. D04
	what is the difference who what is the difference what is the difference who was and incubation period.		-	J11(RS2)
	generation time and genera		259	D06
	7. Illustrate the 8. International quarantine.			J05
	The state of the s			J15/D-
	9 Primary immunization 10. Define epidemiology. Classify epidemio- logical study designs.	60	215	D12
	11. Four aims of epidemiology.	61	215	D00
INE INE	12. Difference between epidemiology and clinical medicine.	61		J12(RS2)
101	13. Tools of measurement in epidemiology.	63	215	D15/Do
MED	14. Define rate, ratio and proportion using appropriate examples.	63	215	D15(RS3)
7	15. Mortality rates and ratios.	65	218	D07(RS2)
Z	18. Survival rate.	66	219	D16(RS3)
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	with examples.	72	221	J05, J13
	20. Epidemic curve.	72	222	J10(RS2), D12(RS3)
	21. Explain 'common source epidemics' with examples.	72	221	D14
	22. Propagated anid			
	28. What are secular trends? How are they useful to the doctors?	73	222	J09(RS2)
	24 Grand to the doctors? How are they	74	222	J11(RS2)
	24. Geographic distribution of diseases and its relevance in epidemiology.  What are or		222	D08
	What are cross-sectional studies?  Mention the advantages and limitations  of this type of study design.	77	224	J13(RS3)

	of case control study.	82		D07(RS2), J16(RS3), D03
//	Cohort study—steps, risk measurements.	83	226	D08(RS2), D05
	Relative risk and attributable risk.	86	228	J18(RS3), D16
	Attributable risk and population attributable risk.	86	229	D17(RS3)
	control study and a cohort study.	87	230	J10(RS2), D01, D02, D07, J13
	Write the steps involved in a randomized controlled trial.	89	230	D09(RS2), D13(RS3), D16
	Write the uses of epidemiology.	99	234	J12(RS2), D03, J08, D11, J15
	Cross-over type of study design.	91	231	D07(RS2)
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	Different types of association.	95	233	D17(RS3)
38.	What is spurious association? How do you prevent it during research studies?	95	234	J11(RS2)
	Carrier state in disease—salient features, classification with examples.	103	239	J08(RS2), D08(RS2), J09(RS2), D11(RS2), J13(RS3), J14(RS3), J04, D04, J06, D13
	Write the various modes of disease transmission with examples and control measures based on each.	104	240	D17(RS3), D03, J12
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	43. Describe the tyrarthropod-borne disease. arthropod-borne disease. Write a short note on biological transmission of arthropod-borne disease.	106	241	J12(RS2), J05, D08, D15
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	46. Primary response.  47. Herd immunity and its importance.	110		J12(RS2), J02, J15
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	41. Blinding—define, types.	91	231	J08, J13
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49. Exotic diseases with examples.	101	236	J02
50. Epizootic and enzootic.	101	236	J09(RS2)
51. Define source and reservoir. Give	102	236	J01
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53. Diseases transmitted by fomites.	106	241	D09
54. Write the criteria for successful parasitism.	107	241	D12
55. Explain dead end infection with examples.	107	241	J06
56. Incubation period—usefulness.	107	241	D00, D01, D08, D12
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68. National immunization schedule (for under-5).	134	250	D15"03), D07(R82), J16(R83)
70. Emporiatrics and its components.	138	274	D05
70. Emportation—define, properties of an ideal disinfectant.	139	267	D19(RS3),
72. Methods of disinfection.	143	272	D16
73. Methods of disinfection of sputum.	143	272	D08
Disinfection of air.	143	272	
75. Epidemiological case sheet for investigation of an epidemic.	143	243	D15(RS3) J08(RS2)
CHAPTER 4 SCREENING FOR DISEASE Long Essays			
Define "screening" list and briefly describe the criteria for a good screening test. List and briefly describe the features of a disease which make it suitable for screening.		264	D10(RS2)
<ol> <li>Define the term screening for disease.         Describe screening for diseases in terms of definition, types, uses, criteria for selection for disease and selection for screening test.     </li> </ol>		264	D01, D08
Short Essays			
Screening and diagnostic test-	148	265	J15(RS3),
2. Concept of "lead time"			J16(RS3), J
3. Health screening—define, types, uses.	148	267	J09(RS2)
domine, types, uses.	148	264	D11(RS2), D15(RS3), J17(RS3), J19(RS3), D19(RS3), J13, J14, J1

Con	ild			
1 3. 5.		PARK 150 151 152	SYKNT 265 266 266	D08(RS2) D08, J09 J08(RS2),
J. Sh	Implications of false positive and false- negative results in clinical practice.  ort Answers	153		J14(RS3), D13, J17 D17(RS3)
1.	Sensitivity of a diagnostic test.			
2.	Differences between a screening and a diagnostic test.	148	265	D15
Ja.	What is lead time in screening disease?	148	267	J18(RS3), D01
3	What are the uses of screening?	149	265	D12(RS3)
5.	Types of screening.	150	265	D12, D16
8.	Name any four criteria for a disease to be chosen for screening.	150	265	D13(RS3)
7.	Sensitivity and specificity.	152	266	102
8.	Write the formulae for calculation of sensitivity and specificity.	152	266	J03 J11(RS2)
S.	Predictive value of a screening test.	153	266	J13(RS3)
10.	Give some examples of screening tests.	155	265	D07(RS2)

#### CHAPTER 5 EPIDEMIOLOGY OF COMMUNICABLE DISEASES

### A. RESPIRATORY INFECTIONS

### Long Essays

X.	Describe epidemiology, clinical features, complications and prevention and control of measles. Add a note on measles vaccination.	160	283, 285	D10(RS2), J12(RS2), J15(RS3), J17(RS3), D16
2.	How will you investigate an outbreak of meningococcal meningitis in a school hostel? Describe the control and preventive methods to be adopted.	179	313	D10  Contd.

Contd...

Contd.	PARK	0.07/10	
12. How children suffering from ARI are	100	SYKNT 282	D11
Foidemiological indices in tuberculosis.	191	315	
14. Conculosis.	195		J18(RS3) J14(RS3)
75. Tuberculin test.	197	317	Tree and
advantages.	201	797	D15(RS3) D05, J06
17. Write briefly on antitubercular treatment as per RNTCP guidelines.	203	812	D12
18. Give an account of BCG vaccination.	213	320	
18. Stop TB Strategy.	219	821	D10
Short Answers		021	J15(RS3)
1/ Epidemiological basis for eradication of smallpox.		277	D12(RS3)
2. What are the cardinal features of pulmonary tuberculosis?	f —		J06
3. What are Koplik's spots?	161	294	
A. Describe rash in measles.	161	284	J10, D12
5. List three complications of measles.	161	284	D11(RS2)
6: Prevention of measles.	161	284	J17
1. Measles vaccine (complications).		285	J10(RS2)
	161	285	D14(RS3), J17(RS3), J19(RS3), J14
measles.	162	285	D05
9 Congenital rubella syndrome.	164	290	D12(RS3), D14(RS3), D17(RS3), D18(RS3), J19(RS3), D13
10. Measles rubella vaccine.	164	286	J18(RS3), D19(RS2)
11. What is antigenic shift and antigenic d	rift? 167	293	J03
12. Prevention of influenza.	168	3 299	D06, D12
/13. Influenza vaccine.	16	8 299	J10(RS2)

Con		PARK		
1	What are the causes of acute diarrhea?  What are the causes of acute diarrhea?  Describe the signs of severe dehydration.  How will you manage a child with signs of severe dehydration?	245, 247	329, 330	J14
8.	What are the steps in the investigations of an outbreak of food poisoning in the school hostel located in your area?	262	176	J01, J11
sh	ort Essays			
X.	Describe the intensified pulse polio program (IPPI).		786	J09(RS2),
2.	Describe the steps of outbreak response immunization, with regards to poliomyelitis.		789	J10(RS2) J17
1.	Define acute flaccid paralysis.		789	
4.	Describe the differential diagnosis of acute flaccid paralysis.		789	D16(RS3) J17
5	Chandler's index and its public health importance.		359	D16(RS3), D07
6.	What are the strategies for polio eradication? Add a note on pulse polio immunization.	228	786	J13
J.	What is acute flaccid paralysis surveillance?	223	789	D14(RS3), J02
8.	Oral polio vaccine—dose schedule, advantages.	226	350	D08, J10
9	Mention the steps involved in eradication of poliomyelitis.	228	786	J12(RS2), J17(RS3)
10.	Pulse polio immunization.	228	786	D06
	Hepatitis B—modes of transmission/ prevention (primary) and control.	233	342	D09(RS2), J12(RS2), J15(RS3), J17(RS3), D18(RS3), D15
22.	Hepatitis B vaccine—schedule.	235	343	J14(RS3)
J13.	Oral rehydration therapy—indications.	247	331	J14(RS3)
14.	Describe the composition of the low-osmolarity oral rehydration salt.			J17
15.	Write the guidelines for assessing dehydration following diarrhea.	247	331	J06
				Contd

		PARK	SYKNT	
12.	Diarrheal disease control program.	246	922	No.
3.	Otal tettanguation moraby.	247	331	J09(RS2)
4.	Oral rehydration solution—composition.	247	332	J08
5.	Assessment of dehydration.	247	331	J04, D09 D15(RS3),
6.	Briefly describe the rotavirus vaccine.	250	222	D13
7	Dynamics of typhoid fever transmission.	258	333	D16
d	Botulism.	000		D09(RS2), J14(RS3)
		262	176	J15(RS3)
	Bacillus cereus food poisoning.	262	176	D19(RS2)
	Treatment of amoebiasis.	265	354	D15(RS3)
	Hookworm—prevention.	267	361	J15(RS3)
2.	Deworming.	268	358	D18(RS3)
or	What are the factors responsible for			
	What are the factors responsible for resurgence of malaria?	-	773	D00, D01,
	Describe the epidemiology, clinica			D09
	features and control measures fo dengue in India.	1 270 r	394	D05, D13
/	Discuss epidemiology of malaria. Write briefly about its prevention and control	e 282	367	J13(RS3), D06
	What is API? Describe in brief the strategy for the control of malaria under national program.	e 28	, ,,,	D03
	Describe the epidemiology an prevention and control of lymphat filariasis.	d 29	6 376	J06
sho	ort Essays			
	Differentiate between extrinsic ar intrinsic incubation period.	nd —	- 242	D05
1	What is the radical treatment for mala	19 19		

100				
7	Dengue shock syndrome—manifesta-	PARK	SYKNT	
-	tions, management.	274	non	
0	Extrinsic incubation period.			J10(RS2), D15(RS3),
9.	What is the cause of	283	242	203
9.	What is the cause of relapse in vivax malaria?	283	368	J09
10.	What is man made malaria?			J05
11	Name the parameters	284	367	D01, D04
	the second of malaries	286	369	J07, J09
X2.	malaria. Management of Plasmodium vivax	289	370	J14(RS3)
13.	Write the treatment of falciparum malaria.	290		
14.	Chemotherapy for cerebral malaria	289	370	J05
15.	Chemoprophylaxis for malaria.	291	373	J03
	Malaria vaccine.	292	373	J03
17.	Night blood examination.	294	375	J15(RS3)
18.	Xenodiagnosis.	298	378	J02, J03
19/	Mass drug administration for filariasis.	298	378	D16(RS3)
	and the manages.	299	379	J12(RS2). J17(RS3)
D. 2	ZOONOSES			
Lon	ng Essays			
1.	Describe the epidemiology of rabies and its prevention and control in India. (Write in short about the schedule of cell culture vaccine in prevention of rabies).		440, 443	D08(RS2), J10
p.	Describe the epidemiological determinants, prevention and control measures of plague.	320	384	D12(RS3)
Sho	ort Essays			
1	Postexposure prophylaxis in rabies/dog bite (antirabies immunoprophylaxis).	304	443	J13(RS3), D17(RS3), J18(RS3), J19(RS3), J08, J15, J1
2.	Write briefly about various vaccines for rabies.	304	444	D05

Contd			
	PAR	K SYKNT	
3. Antirables immunization in class exposure.		445	103
4. Intradermal rabies vaccination	305	447	10-
5. Write the pre-exposure prophylaxis		448	J05 J04
6 Measures to prevent entry of yellow fev into India.	er 309	393	J08(RS2)
7 International vaccination certificate.	309	393	D10
Japanese encephalitis—natural histor specific protection.		398	D08(RS2), D13(RS3)
9. Kyasanur forest disease—epidemic logical factors, prevention and contro measures.		403	J07
10. What control measures would you recommend for control of Chikungunya outbreak?	u 316	402	D07(RS2)
11. Mention the methods in laboratory diagnosis of plague.	322	386	D10
12. List the Rickettsial diseases.	326	405	D07
Short Answers			
Advantages of Intradermal rabies vaccine.		447	D13(RS3)
Anthropozoonoses—give an example.	302	240	D16(RS3)
Modes of transmission of rabies.	303	441	D09(RS2)
Postexposure prophylaxis of rabies.	304	443	D12(RS3), D13
List the vaccines against rabies as post- exposure prophylaxis.	304	444	D07
What are the indications for antirabies treatment?	304	444	D08
Describe the intradermal schedules of cell culture vaccine for rabies.	305	447	J07
Describe the pre-exposure prophylaxis for rabies.	306	448	J06
Urban rabies.	307	441	J14(RS3)
Vaccination and	308	393	J01, J03,

17. International certificate of vaccination.	PARK	SYKNT	
12. Amplify zoonoses with examples.	309	393	J14(RS3)
13. Vectors of Japanese encephalitis.	312	398	J09(RS2)
14. Kyasanur forest disease	312	399	J09
spread).	315	405	J03
15. What is a blocked flea?	320	385	J12(RS2), J17(RS3), D17(RS3)
16. Write five rickettsial diseases with names of vector.	326	405	D03
E. SURFACE INFECTIONS			
Long Essays			
Describe the natural history (epidemiology) of tetanus and outline the strategies adopted for its prevention and control.	339	362	J09(RS2), J07, D08
2. What are the factors responsible for the spread of HIV infection in India? Enumerate the personal protective measures for HIV infection.	359, 379	408, 429	J03
3. Write epidemiology of HIV infection. What are the preventive and control measures taken in India?	373, 379	420, 425	D11
Short Essays			
Write about the counseling for a HIV positive individual.		826	J05
2/ Control of trachoma.	337	494	D15(RS3)
3. Tetanus neonatorum—prevention.	338	365	J13(RS3), D15
4. Describe the lepromin test.	347	453	D03
	349	460	D08(RS2).
Write about the treatment strategy of leprosy eradication (Multidrug therapy in leprosy).			J15(RS3). D06
6. Name the deformities in leprosy. Add note on clawing.	354	463	J06
7/ Epidemiology of STD's.	359	408	D16(RS3)

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	Const.  Se Symptom management of vaginal as Symptom management of contract the contract that the the contract tha		413	DIBIRDS
				Jid(NBa)
	decharge depoted ulcers.  Atanagement of genital ulcers for control of Atanagement of measures for control of the Mark are the measures for control of the Mark are the measures to child exceeds transmitted diseases?	367	400	J12(R82) J17(R82)
	20 What are the measurement of child sexually transmitted diseases?  11. Write about the mother to child the worker about the mother to child the mother to child the mother to child the mother to child the sexually transmission of HIV.	378	434	D03
	11. Write about this transmission.	378	435	D18(R83)
	transmission of HIV transmission.  72. Prevention of parent to child transmission.  72. Prevention of parent to child transmission.	375	424	J15(R83)
	28. Clinical manmon opportunistic	376	424	J17
	5. Postexposure prophylaxis for HIV.	382	433	J14
SINE SINE	Short Answers What are candidate vaccines for leprosy?		462	D08
5 1 2	What are carried to the complications of sexually transmitted diseases.			D09
3	HAART (Human AIDS antiretroviral		425	J16(RS3)
	therapy). Universal precautions in HIV infection.		432	D09, D13
5.	Define blanket treatment with suitable example.	337		J03
9	Prevention of neonatal tetanus.	341	366	D11(RS2), D14(RS3), J15(RS3)
7.	What is morphological index?	347	453	J07
	Morphological Index and bacterial index in leprosy.	347	453	D13
9. 1	Lepromin test.	347	453	D05
16. F	emandez reaction.	348	454	J11(RS2)
11. V	What are the case finding methods in eprosy?	349	459	D09
12. O	bjectives of multidrug therapy in prosy.	349	460	D16(RS3)
18. TI	reatment for leprosy.	351	460	J12(RS2), J17(RS3)

contd			
	PARK	SYKNT	
14. Write the drug schedule for multibacillary leprosy.		100	D03, J04
15. Write the drug schedule for paucibacillary leprosy.		460	J05, D14
What are the deformities occurring in the leprosy?		463	D09(RS2)
Syndromic management of urethral discharge.	361	412	J16(RS3)
18. Write case detection in HIV in India.	367	409	144
19. Contact tracing in sexually transmitted infections.	367	409	J11 D09
20. List out the various routes of transmission of HIV infection.	374	422	J13
J1. Window period.	375	424	D09(RS2), D00, D02, J04
22. Case definition used for diagnosis of AIDS.	376	424	J12(RS2), J17(RS3)
23. Western blot test.	378	-	J14(RS3)
24. Write about postexposure prophylaxis for HIV.	382	433	D08
F. EMERGING AND RE-EMERGING INFECTIOUS DISEASES			
Short Essay			
1. Ebola fever.	384	869	J16(RS3)
Short Answers			
List the re-emerging infectious diseases.	386	875	D07, D11
	384	870	J17(RS3)
6. Control of Ebola virus disease (EVD).	384	870	D16(RS3)
3. HOSPITAL-ACQUIRED INFECTIONS			
hort Answer			J13(RS3)
What are nosocomial infections? Give examples.	387	273	

1	Prevention of coronary heart dis-	ARK	COMM		
8.	and the state of t	100	SYKNT		
	islon.	403	472	D15(RS3)	
			14	D08(page	
9.	What are the risk factors for hypertension?  Discuss briefly its preventive me			D10(RS2), J14(RS3),	
		405		D03	
			476	D12(R83),	
12	Prevention of rheumatic fever (heart	408	478	306	
	disease).	410	475	J08	
12	Describe enid			D16(RS3), D19(RS2),	
14.	Describe epidemiological triad with reference to cancer.	414		D16	
	Primordial prevention of cancer.	*14	482	D09	
14	Warning (danger) at a cancer.	415	483		
-	Warning (danger) signals of cancer with examples.	415	483	D07(RS2)	
15	What is cancer registry? Write it's public health importance.		403	D10(RS2)	
	health importance.	415		112/Deas	
18	Cancer screening in India.			J12(RS2), J17(RS3), J	11
		416	484	J13(RS3),	
17	. Describe the method of screening for cancer cervix.			J03, J09	
				D10	
18	Describe the epidemiological features of oral cancers in India.	of 417		J07	
	Epidemiological determinants of diabete mellitus (type 2).		3 487	D14(RS3)	
3	What are the methods of screening to diabetes mellitus?	for 42	4 48		
2	1. Prevention of diabetes mellitus.	42	25 49		
2	2. Body mass index—calculation a interpretation.	nd 42		79 J17	'
3	3. Obesity—epidemiological determinal assessment/health hazards/prevent and control.	nts/ 4 tion	28 4	79 J10(RS2 D18(RS D19(RS J02, J0	(3),
"	24 Preventable blindness—causes prevention.	and 4	430	193 D09(RS J15(RS J08, D J12, D	63), 08,

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	PARK	SYKNT	
28. Describe the epidemiology and pre-	430	491	J12(R62) J17(R63)
Describe the vention of accidents.  vention of accidents.  28. Primary factors associated with associated with accidents.	438	401	J18(R83)
28 Primary factors accidents?	439	492	D08, J14
26. accidents.  27. How can we prevent road accidents?  28. What are the safety measures for 28. What are the safety measures?	440	492	D01
28. What are accidents and write	440	492	D11
accident prevention; accident prevention; 29. Enumerate domestic accidents and write preventive measures.			
Short Answers		468	D06
A Life style disorders.		492	D02, J12
2. What is accident proneness?			J15(RS3)
Accidentology.  4. List the gaps in natural history of chronic	393		J06
4. List the gaponinon and the part noncommunicable diseases.  7. Risk factors for (ischemic) coronary heart disease.	398	472	J09(RS2), D14(RS3), J05, D05
What is rule of halves in hypertension?	403	476	J08(RS2), J12(RS2), J13(RS3), J17(RS3), J04, J07, J15
7. What is tracking of blood pressure?	404	476	J11, J13, D13
8. What are the non-modifiable risk factors for hypertension?	405	476	J08
9. Write modifiable risk factors for hypertension.	405	476	D11
16. Secondary prevention of hypertension.	407	477	J10(RS2)
11. Natural history of stroke.	408	478	D08(RS2)
12. Risk factors of stroke.	408	478	J18(RS3)
18. Describe the primary prevention of rheumatic heart disease.	410	475	D07(RS2). J06, J08
14. Secondary prevention of rheumatic heart disease.	410	475	D11(RS2). J18(RS3)
15. State the modified Jone's criteria in acute rheumatic fever.	411	475	J10

Contd.	PARK	SYKNT	
	438	491	
34. Enumerate human factors in accidents.	439	492	D10(R69)
a enident prevention.	440	492	D06, J13
35. Accidents (causes).  36. Domestic accidents (causes).			D08(R82)
three measures to preventive	441	492	D16
domestic accidents.	442		016
domestic account of the steps in giving first-aid in burns.  38. State the steps in giving first-aid in burns.			
CHAPTER 7 HEALTH PROGRAMS IN INDIA			
Long Essays	828,	98,770	145mm
Enumerate vector-borne diseases of public health importance in india. Mention agents and vectors for the same. Describe activities under National Vector-borne Disease Control Program.			J19(R83)
2. Enumerate the national health programs related to communicable diseases discuss in detail the objectives, strategy and implementation of National Program for Control of Malaria.	447	770,	J15
3. Discuss Revised National Tuberculosi Control Program.	s 457	794	D12(R83)
4. What is DOTS? Describe the strategy for the treatment under DOTS.	or 457	796	J04
5. Illustrate the diagnostic algorithm for tuberculosis under RNTCP. Describe the various treatment categories. List the major reasons for development of MDR TB.	10	809,	J17
8. National AIDS Control Program—explain detail.	in 465	823	J15(RS3)
7. Explain in detail the National Progra- for Control of Blindness.	m 473	832	D15(RS3)
National Rural Health Mission objectives and strategies, job responsibilities of ASHA.	_ 48!	725	J14(RS3), D13

1	What is the difference between family	PARK	SYKNT	
	the components and strategies under Reproductive and Child Health (RCH) Program. Explain the various services provided to the mothers under this program.		863	D08(RS2). D14(RS3)
1	<ol> <li>List all the national health programs for noncommunicable diseases. Discuss the strategy for prevention and control of 'blindness' under the national program.</li> </ol>	509, 473	771, 833	D14
S	hort Essays			
, N.	List the ten major national health programs.		770	J01, D02, D04
2.	List the health programs for mothers and children.		545	J07
3.	Write about modified plan of operation under National Malaria Eradication Program (NMEP).		773	D08
4.	Name the strategies of tenth five-year plan for leprosy elimination.		784	J06
5.	Preventive programs for HIV control under National AIDS Control Organization (NACO).			D06
6.	Measures for control of Urban malaria.	446	774	J08(RS2)
X.	Write a short note on strategies adopted for malaria control.	448	373	D14(RS3)
8.	Describe the role of annual parasite incidence (API) in malaria control program.	448	369	D05
	What is active surveillance for malaria control?	449	772	D02, D04
	Describe the National Leprosy Control (eradication) Program.	454	782	J10(RS2), D17(RS3), J09
	Revised national tuberculosis Control Program.	457	794	J08
	Principles on implementation of DOTS.	458	796	D13

Come		PARK	SYKNT	
31.	What are the new schemes initiated under the National Cancer Control Program?	511	836	D10
32.	Write salient features of National Mental Health Program.	512	839	D11(RS2), J19(RS3)
33.	Integrated disease surveillance project.	513	883	J16(RS3)
34.	What is minimum needs programme? Comment.	519	860	D01
Sh	ort Answers			
1.	Enlist various national health programs implemented for mothers and children in India.		545	D11
2.	Give the objectives of modified plan of operation for malaria.		773	J06
3.	Comment on malaria week.	_	_	J01
4.	Social marketing in family planning.	_		J13
5.	Enumerate National Health Programs of Vector-borne Diseases in India.	445	770	J10
6.	Role of annual parasite incidence (API) in malaria control program.	448	369	J13
7.	DOTS agents.	461	797	J16(RS3)
8.	Sentinel surveillance for HIV in India.	466	238	D07(RS2)
8.	Voluntary counseling and testing center.	468	825	J08(RS2), D19(RS2), D07
	. Social marketing of condoms.	471		J08(RS2)
الر	Vision 2020: The right to sight.	474	834	D08(RS2), D18(RS3)
	Reproductive and child health (RCH)—package/components.	488	853	J15(RS3), D05
13	Essential newborn care.	489	516	D07(RS2)
14	What is first referral unit?	490	854	J02
N.	Nutrition rehabilitation center—concept.	492		J14(RS3)
1	Enumerate the illnesses managed under Integrated Maternal and Neonatal Childhood Illnesses (IMNCI).	494	894	D15(RS3)
1	Adolescent Reproductive and Sexual Health (ARSH) or SNEHA Clinics.	502	671	D15(RS3)
				Contd.

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	PARK	SYKNT	
Demographic cycle and its stages.	530	552	D09(RS2), D14(RS3), D16(RS3), D01, J09, J10, D13, J15, D16
3. Population pyramid and its significance.	533	556	J11
What is sex-ratio? Add a note on PNDT Act.	534	556, 918	J13(RS3)
5. Age pyramids of developed and developing country (like India).	534	557	J15
Write briefly about effects of urbanization on health (Problems of increase in urban population in India).	535	198	D12(RS3), J19(RS3), D19(RS2), D05
7. Write about life expectancy.	537	558	D08
8. Factors influencing fertility in a community/factors responsible for higher fertility in India.	538	560	J08(RS2), J06, D09, D15
9. List out fertility-related statistics.	539	560	D08(RS2)
10. Significance of 'family size' and its relationship with net reproduction rate (NRR).	540	558, 561	D14
11. Net reproduction rate and its importance.	540	561	D07
12. Health aspects of family planning.	542	565	J18(RS3)
13. Eligible couple.	543	566	J01, J17
14. Salient features of the National Population Policy.	544	750	D07(RS2), D17(RS3) J19(RS3)
15. Enumerate National Demographic Goals to be achieved by 2010.	544	751	D10(RS2), D12
16. Barrier (spacing) methods of family planning/conventional contraceptives—benefits.	545	567	D10(RS2), D07, J09
17. Write in brief about male contraceptives.	545	567. 584	D11
18 Intrauterine device—ideal candidate, advantages, contraindications and side-effects.	548	570	J09(RS2), D17(RS3), D13, D16

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	Contd	PARK	SYKNT	
	Hormonal contraceptives—classify, mode of actions, method of administration, of actions, method of administration, adverse effects, contraindications, adverse	551	573	J12(R52) D12(R53) J17(R53) D09, D15
	effects and complication	552	581	D08(RS2)
	20. Newer contraceptive pills.  21. Emergency contraception/post-coital contraceptive.	552	576	D11(RS2),
	22. Medical Termination of Pregnancy Act 1971—indications.		579	D07, J10, J12, D12, D16
	23. What are the natural family planning methods?	558	580	J10(RS2), D08
里	24. Describe the evaluation of contraceptive methods based on effectiveness.	561	585	J07, D10
CINE	25. Community needs assessment approach.	566		J16(RS3)
MED	26. Explain All India Hospital Postpartum Program.	567	859	J03, J07
7	Short Answers			
INDIMINOS	1. Demographic gap.		552	J08(RS2), D13(RS3), D15(RS3), J03, J09, J10
3	2/ Population explosion.		562	D07(RS2), D05, J14
	3. Zero growth rate.			D06
	4. What is difference between family planning and family welfare?			J12
	5. Role of interpersonal communication in birth control.			D05
	6. Stages in demographic cycle.	530	552	D05, J13
	7. Growth rate—define, present growth rate of India.	532		D11
	What is a population pyramid (age pyramid)?	533		D08(RS2). D10(RS2). D18(RS3). J19(RS3). D02

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	PARK	SYKNT	
9. What is dependency ratio?	535	557	J19(R53), D19(R52), D08
10. Population density.	535	559	012
M. Effect of urbanization on health.	535	198	D12(R63).
12. Life expectancy.	537	558	D09(R82), D06
13. Enumerate the causes of high birth rat in India.	e 538	563	D10
14. Measures of fertility (fertility indices).	539	560	D05
15. What is total fertility rate.	540	561	D10(RSZ), D16
16. Net reproductive rate.	540	561	J13(RS3). D16(RS3). J18(RS3). J08, J14
17. Define family planning.	542	565	J01, D02
18. Target couples.	544	566	J10
19. What is couple protection rate?	544	566	D12(RS3), D19(RS2), D16
20. Classify contraceptive methods.	545	566	J11
21. Conventional contraceptives/spacing methods of contraception (barrier contraceptives).	545	567	D09(RS2), J03
22. Describe the advantages and disadvantages of condom.	545	567	J06, D11
23. Intrauterine contraceptive device—advantages/ideal candidate.	546	570	D08(RS2). D14(RS3). J15
24. Copper T (mechanism of action).	547	570	D16
25. Postcoital contraception.	552	576	D14
26. List the important side effects of oral contraceptive pills.	552	575	D10
27. Enumerate (non-contraceptive) benefits of oral contraceptives	553	574	J10, J14
8. (Absolute) control -	554	575	D16(RS3). J17(RS3)

		PARK	SYKNT	
	old	554	576	D00
	the contraceptives?	556	578	D08
29	What are injectable contraceptives?	556	578	D09
30	). Menstrual regulation?		579	D11(RS2)
3	Menstrual regularion?     What is menstrual induction?     What is menstrual induction?			,
2	5 Madical Termination	558	580	J12
	-I methods of contract	560	582	D01, D04
3	3. List the natural met.  4. Describe no scalpel vasectomy?  4. Describe no scalpel vasectomy?	561	585	D01, D04
3	4. Describe 1.			J17
3	5. Pearl index.	566		D08(RS2)
3	6. Community need assessment approach.  6. Community need assessment approach.  7. Community need assessment approach.  7. Community need assessment approach.  7. Community need assessment approach.	566	851	J13(RS3)
3	6. Community need assess. 7. Incentives under National Family Welfare			
	Program.			
PI	HAPTER 10 REVENTIVE MEDICINE IN BSTETRICS, PEDIATRICS AND ERIATRICS			
1000	-a Eccavs		533	J02
1.	What is under-five clinic? What are the activities of under five clinics?			007
2.	"at risk approach"? List the high-	578	511	D07
	risk pregnancies in antenatal care and describe how you would prevent them.			
3.	Describe the various methods of classifying 'low birth weight' babies and discuss the important risk factors and strategies for its prevention in a developing country.	587	519	J15
4.	Discuss the various health problems	601	THE POOL OF	D14
	encountered in 'children' in a developing country.			
	Define maternal mortality rate (MMR).  Discuss the 'causes/determinants' for high MMR in India (developing countries). Describe 'preventive' and 'social' measures to control MMR.	610	540	J12(RS2) J17(RS3) J18(RS3) D19(RS2) J01, D03, D12, D15
6.	Explain causes for reduction of maternal mortality in India	645	540	D16
137533	mortality in India.	010	540	012

	51
Enumerate the maternal and child health 610, 540, 542 D11(RS2), indicators. Define perinatal mortality 617 542 J13(RS3), rate. Write the causes and measures to rate perinatal mortality rate in India.  The reduce perinatal mortality rate in India.  The reduce perinatal mortality rate in India.  The reduce perinatal mortality rate in India.	
8. List and briefly describe the various 610, 540, J17 mortality rates of infancy and childhood. 622 543 pescribe the causes of infant mortality pescribe three in India, and briefly describe three in India, and briefly describe three	
How many intants are dying in India? 622 543 J11(RS2), J04 Why? Explain the causes. How do you why? Explain these deaths?	
Define infant mortality rate. Describe role 622 543, of under-fives clinics to reduce infant 533 D10(RS2)	
Mhat are the common causes of under- 627 — D07(RS2) five mortality in India? Describe the measures taken to ensure child survival in India.	
12. Enumerate the causes of under-five 627 544 J11 mortality in India. Describe the various national programmers for protection of preschool children in India.	
13. Describe in detail importance and 633 537 D07 objectives of school health services in India. Mention various aspects of school health services which are to be provided.	
74. Discuss briefly the functions and 647 546 J10(RS2) organizational aspects of Integrated Child Development Services (ICDS) scheme.	
J8. Describe the various health problems 650 661 J09(RS2), (common organic, psychiatric and social problems) of the aged. Suggest the remedial measures. How can their health and welfare be promoted?	
26. What are the common problems of the 650, 661, D16(RS3) elderly? Write about the social security 759 207 measure for the elderly in India.	
Short Essays	
1. Breastfeeding vs artificial feeding. — — D14	
Under-five clinic—aims and objectives/ — 533 J08(RS2), main activities and benefits. 533 J08(RS2), J06, D10, Cont	J14

Contd	PARK	SYKNT	
22. What is the importance of anthropometric nutritional status indicators in preschool children?	595	531	J01
28. Anthropometric measurements in children (to assess nutrition).	595	178	D09(RS2), D03, J12
24. Describe growth chart (used in India) and write its uses (road to health card).	599	531	J19(RS3), J02, D08, J11
25. Write about various child health problems.	601		D08
26. Write about the nutritional problems of under five children in your state.	601		D05
21. Indicators of MCH care.	610	540	D09(RS2), J18(RS3)
28. Write the formula for the calculation of maternal mortality rate. What are the problems that kill mothers in India?	610	540	J11(RS2)
29. Maternal mortality rate—causes.	612	540	J09(RS2), J09
Define perinatal mortality rate?  Enumerate the various causes of perinatal mortality in India. Write briefly the measures taken to reduce the same.		542	D12(RS3), D08, J13, J14
31. Infant mortality—causes/Factors affecting.	622	543	D09
32. Integrated management of a sick child.	631	894	J08(RS2)
23. Classification and management of illness in young infant.	631	892	D19(RS2)
24. Write the problems of the school age group. How are they being addressed?	633	537	D06, D09, J15
35. School health program (service)— objectives, brief functions, components (different aspects), organization.	633	537	D13(RS3), D00, D01, J05, D05, J10, D13, D14, D15
36. Screening of school children under school health program.	633	537	D07(RS2)
37. What are the causes of mental handicap	636	535	J07
38 Primary prevention of disabilities in	638	536	D08(RS2)

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COMU	PARK	SYKNT	
39. Juvenile delinquency—causes and preventive measures.	639	536	D12(RS3)
40. Street children.	642	549	, D16
41. Add a note on Child Labor Act, 1986.	644	_	015
42. What is child placement?	645	536	J10
43. Child guidance clinic.	645	537	DO2, DO4
44. Juvenile Justice Act.	646		317(Ron
45. ICDS program/integrated child development services scheme— organization, beneficiaries, package of services (benefits).	647	546	J08(RS2) J19(RS3) J19(RS3)
46. What is the 'package of services provided through ICDS?	647	547	D13 100), J12, J14
47. Enumerate the beneficiaries and the services under (ICDS) integrated child development scheme.		546	D05
48. What are the activities of an Anganwac center?	di 647	547	D00
49. Write about the organization and benefit under integrated child development services (ICDS) scheme.	ts 647	548	D06
50. Anganwadi worker (AWW)—functions		548	D08(RS2), D10(RS2), J11
Mrite common health problems (chronic of geriatric population (aged woman) are measures taken to prevent these in India.	nd	661	J13(RS3), D14(RS3), J01, D02, D04, D07, J08, J10, J11
52. Enumerate the psychological problen in elderly.	ns 651	662	D09
53. Write briefly about the health status elderly in India.	of 651	661	J13
Short Answers			
How do you manage postpartu hemorrhage in a community health care	m — e?		J11(RS2)
2. Write the treatment of reproductive trainfections.			J05

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		PARK	SYKNT	
	Under-five clinic.		532	
	What are home available fluids?			J13(RS3), J19(RS3)
	A worther and child be-	572	331	J01
	considered	212	504	J15
1	Antenatal care.	575	FOR	
1	what advice is given during antenatal	578	505	D08(RS2)
1	period		508	D11
1	8. Preventive measures for anemia in	579	510	Don
	areignamy.			D05
	Congenital syphilis.	580		D19(RS2)
	10. What is rooming in	581	517	J07
	Mention the objectives of postpartum care. What are the complications which	582	514	
	may arise during postpartum period?			D12(RS3)
	12. Mention the complications of 'postpartum'	Egg		
	(postnatal) Period.	582	515	J06, D10,
	13. Early neonatal care.	584		J13, D14
	14. Write in brief about screening of newborn		516	D09(RS2)
	infants.	587		D11
	18. Cretinism.	587		
	16. Low birth weight—define, causes.	587	F40	J18(RS3)
	17. Kangaroo mother care.		519	J02
V		589	521	J19(RS3)
L	18. What is exclusive breastfeeding?  Enumerate the advantages.	591	525	J12(RS2),
	Liturierate the advantages.			J17(RS3),
4	O Potional for analysis bearing			J01, J05
		591	525	J11
20	O. Advantages of 'breastfeeding'.	591	525	J15
21	List the weaning food.	592	525	D00, D02
22	Criteria for baby-friendly hospitals	592	529	J09(RS2),
	initiatives (BFHI).			D14
3	Growth chart.	597	531	D09(RS2)
		599	533	D03
		600	533	J12(RS2),
	card).	300		D12(RS3),
				D02, J08,
				J10, D15

44. Health problems of adolescents (girls).

J02

D03

649

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D08(RS2

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	PARK	SYKNT	
population (health-care needs of the elderly)—elderly males/elderly females.	CEO	THE RESIDENCE OF THE PERSON NAMED IN	D07(RS2), J10(RS2), D10(RS2), J19(RS3), J05, D12, D14, J15, D15
46/ Life style and healthy aging.	651	662	D19(RS2)
CHAPTER 11 NUTRITION AND HEALTH			
Long Essays			
What are micronutrients? Describe their role in nutrition and discuss the management of diseases due to their deficiency.	666, 672		D19(RS3)
<ol> <li>Describe the manifestation of vitamin A deficiency and discuss the strategy of combating the problems at the national level in India.</li> </ol>	672, 697	138, 165	D14
What are the sources and functions of lodine? Enumerate the spectrum of conditions under iodine deficiency disorders. Discuss about the components of iodine deficiency disorders control program.	699	144,	J13(RS3)
A: Enumerate the nutritional problems in public health. Describe in detail protein-energy malnutrition with respect to its symptoms and preventive measures.		162	D12(RS3)
What is protein-energy malnutrition?  Describe the Ecology/epidemiology, classification, etiology, signs, symptoms, prevention and control of protein-energy malnutrition.		162	D13(RS3), J15(RS3), J06, J14, D16
<ol> <li>Explain role of diet in various diseases</li> <li>Add a note on 'diet and cancer'.</li> </ol>	. 702, 704		D11
Describe the methods of assessmen of nutritional status of a community with their merits and demerits.	t 705	177	J10(RS2), J07, D07, D12, D13

	Contd	PARK	SYKNT	
	8. Define anthropometry and its role	705	178	D10
	children and their management.	706	180	D05
	relative merits and demerits.	708	162	J12(RS2)
	of malnutrition. How will you prevent	708	632	Ina
	11. Explain the influence of socio-economic and cultural factors on the nutritional status of children in India.			000
1	What are the sociocultural factors contributing to PEM in India? What measures Government of India is taking to control malnutrition?	708	632	D08(RS2)
	13. Give an account of commonly occurring food toxicants in India and their prevention.	713	173	D06
	Short Essays			
	Supplementary action of proteins.	667	134	D15
	2. What are essential fatty acids? Enumerate their functions.	667	135	J03
,	y	672, 675	137	D18(RS3)
,	4. Vitamin A—dietary sources/signs and symptoms of deficiency (xerophthalmia) and preventive measures.	672	137	J02, D12, J1
	5. Rickets.	674	139	D10
-	8. Pellagra.	676	141	J18(RS3)
-	7. Dietary antioxidants.	683	146	D15(RS3)
U	What are alcoholish	588	151	J11(RS2)
ع	Egg—a reference protein.	691	150	D15(RS3)
J	8. Balanced diet and its components.	394		D15(RS3), D02
1	1. What is balanced diet? Write briefly about 6 the recommended dietary goals.	94	152	J13(RS3)
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Dietary goals (prudent diet). 6	94		D16(RS3), D07
Guide Pyramid.	395	-	J14(RS3)
The Food Guide Pyramid.  The Food Guide Pyramid.  The Food Guide Pyramid.  A Prophylaxis 6  National Vitamin A Prophylaxis 6  Programme (prevention of vitamin A Programme (prevention of vitamin A Programme deficiency disorders).	598	165	D12(RS3)
Iron deficiency anaemia (nutritional anemia) and its prevention (anemia prophylaxis program).	698	166	J08(RS2), D14(RS3), J15(RS3), D16(RS3), J05
Spectrum of iodine deficiency disorders and its health hazards and their prevention.	699	171	J09(RS2), D14(RS3), D15(RS3), J17(RS3), D06, D08
17 Lathyrism (define, prevention).	701	173	J17(RS3), D19(RS3), D15
Mhat is neurolathyrism? Mention the causes, clinical features and interventions for control of the problem.	701	173	D09(RS2), J13(RS3), D11, J17
19. Principles for a diabetic diet.	703	490	J11
20. Discuss the role of diet (nutritional factors) in the causation of cancer.	704		J09, J14
21. Discuss various methods of nutritional assessment of a community.	705	177	J15(RS3), J09
22. Anthropometry.	705	178	J09(RS2)
23. Dietary surveys (assessment of dietary intake)—methods.	706	180	D00, J02, J03, J04, D04, J08, D09
24. Nutritional surveillance.	707	181	D10(RS2)
25. Comparison of (difference between) growth monitoring and nutritional surveillance.	707	182	J09(RS2). J10(RS2). J13(RS3)
26. Discuss causes of malnutrition.	708	162	J12
27. Contribution of cultural, social and ecological factors to PEM in the community.	708	632	D07(RS2)

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		SIKNI	
28. Discuss "cultural influences" on diet, with			J15
Avamines.	711	160	1100
29. Milk-borne diseases.			J19(RS3),
30. Pasteurization of milk—methods, tests to verify.		160	J09(RS2), D09(RS2), D10(RS2), D17(RS3), D18(RS3), D15
31. Minimum standards required for slaughter houses (inspection of slaughter house from hygiene point of view).	712	161	D07, J10
32. How would you educate food handlers regarding handling of food?	713	157	D00, D01
33. Food toxicities—food toxicants and the consequents diseases.	713	173	J19(RS3), J02, D05, D09, D10
34. Food fortification.	715	158	D09(RS2)
35. Define the terms: (a) Food adulteration and (b) Food fortification.	715	158	D08
36. Prevention of Food Adulteration Act 1954.		159	D07(RS2), J12(RS2), J01, D13
Enumerate the community nutrition programs.	717	771	D19(RS3),
8. Mid-day school meal and its benefits.	717	539	J08 J08(RS2),
hort Answers			D01
What is 'Hyderabad mixture'?			
Classification of DEA		165	D11
malnutrition)—Gomez classification.  Differentiate between supplementation and fortification.		163	J03
Food supplementation.			J05
Write about supplementary nutrition.  List the essential and		-	J11
	-	548	D08
Importance of 'poly.	666	133	D10
Importance of 'poly-unsaturated fatty acids' (PUFA) in diet.	667	135	D14
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	PARK	SYKNT	
8. Name uncompany	671	137	J01
9: List four micronutrient deficiency disorders in India.	672		D17(RS3)
18. Vitamin A deficiency—manifestations (xerophthalmia).	672	138	D16(RS3), D10
14. Keratomalacia.	673	138	D18(RS3)
12. Schedule for vitamin A prophylaxis.	673	165	D00, J01, D01, D04, J07
13. Write in brief about deficiency of thiamine in diet.	675	140	J10
14. Write briefly about beri-beri.	675	140	J17(RS3)
15. Which vitamin deficiency can cause psychosis? Why?	676	140	J11(RS2)
16. What are trace elements in nutrition?	678	143	D02, D10
17. Name four rich sources of dietary iron.	679	143	D12
18. Name three important items which promotes absorption of dietary iron.	680	143	J03
19. Goitrogens.	681	144	J14
20. Dark green leafy vegetable and nutrient present in them.	s 685	148	D08(RS2), D06
21. Characteristics of reference adult India woman.	n 689	151	J16(RS3), D01
22. Dietary needs of pregnant women.	690	152	D08(RS2)
23. Reference protein.	691	150	D00
24. Enumerate the dietary goals recommended by WHO.	694	153	D14(RS3)
28. Balanced diet.	694	152	J12(RS2). D19(RS3)
28' 15'd sixumforonce	697	179	D08(RS2)
26. Mid-upper arm circumference.  27. What is the dose of vitamin A solution  a 9 month old child? Why?	for 698	3 165	J11(RS2)
a 9-month-old child? Why?  28. lodized salt (health benefits).	70	0 172	D02
29/ Fluorosis (endemic).	70	1 145	D18(RS3).

	Contd.	PARK	SYKNT	
		701	173	J08(R62).
	39° Lathyrism.	706	177	D17(R83)
	21. Assessment of nutritional status.	706	180	J09(RS2), D16
	Assessment of dietary intake  (diet survey).  (diet survey).  (diet survey).	707	182	J15(RS3)
	(diet survey).  (diet survey).  38. Differentiate between monitoring and surveillance with examples.	711	160	J19(RS3)
	M Milk hygiene.	711	160	D08
	35. Milk-borne diseases  36. What is pasteurization of milk? What are  36. What is pasteurization of milk? What are  36. What is pasteurization of milk? What are	711	160	J11(RS2), J13(RS3), J14(RS3)
ш	36. What is pasted to check for the emotion the tests used to check for the emotion the test)?  of pasteurization (methylene blue test)?  of pasteurization of milk (HTST)  37. Method of pasteurization of milk (HTST)	711	160	J07, J12
TALL	37. Method of Partoxins	713	175	D10(RS2)
EDIC	as. Write short notes on aflatoxins.  See Epidemic dropsy.	714	174	D16(RS3 J13, J15
INIE		714	175	D12(RS3
	46. Endemic ascites.	715	158	D00
2003	table tie food fortification	715	158	J12(RS2)
	41. What is look and food enrichment.  42. Food fortification and food enrichment.	715	158	J10(RS2)
	What is food adulteration?  Give examples.			D13(RS3 D14(RS3
	44. Food additives.	714	156	D14
	45. Name the food standards.	716	159	J06, D07
	45. Classify and list national (community) programs in nutrition.	717	771	D10(RS2 J12
	47. Balwadi nutrition program.	717	846	D16(RS3
	48" School (mid-day) meal program— principles, composition.	717	539	D10(RS2 D07
	CHAPTER 12 SOCIAL SCIENCE AND HEALTH			
	Long Essays			
	Define family. Explain the types of families. Briefly explain the function of families.	738	630	D01

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Con		PARK	SYKNT	
2.	Describe in brief the role of family in health and disease.		632	J05
3.	Describe social factors influencing the health of people.		637	J10
1	Discuss the role of cultural factors influencing health and disease.		632	D18(RS3)
p.	What is social security? Describe the benefits under ESI scheme.	758	207, 205	D09(RS2)
Sh	ort Essays			
1.	What is marriage counseling?	-		J03
1	How would you do counseling for a newly married couple for family planning?			D07(RS2)
3.	Write the classification of socioeconomic status for rural area.	-	636	D03
4.	Common health problems among slum dwellers.		638	J15, J17
5.	Describe 'social control mechanisms'.	727	633	J14
6.	Discuss in brief the health problems arising out of 'social and economic development' in a developing country.	728	638	D14
7.	Acculturation—effects, role.	728	630	J03, J06, J10
8.	Role of emotions in health and disease.	731	_	D18(RS3)
9.	Discuss briefly different types of 'learning'.	733		D14
10	). Family life cycle.	738	630	J09
ונ	Define family. What are the functions of a family?	738	630	J13(RS3), J17(RS3)
Ji	Role of family in health and disease.	740	632	D11(RS2), J18(RS3), D00, D06
×	Social and cultural factors affecting health and diseases.	742	632, 637	D10(RS2), D13(RS3), D07, D13
ر	What is social stratification? Discuss how social class affects health and utilization of health services.	744	634, 637	J15(RS3), J02
1	5. Describe the relation between disease and social condition.	e 747	637	J01, D01
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Contd	PARK 750	917	J13
Act	752	643	J08
16. Consumer Protection Act.	756	637	D08(RS2)
17 Operational research	758	207	J14(RS3)
18 Diseases of poverty			J19(RS3)
19. Social security			
Short Answers			J06, J12
	-		D00
Also CIUVO	The state of	634	D08(RS2)
Modified Prasad S Class		637	J02, J12
4. What is poverty line?	Party of the	207	D11(RS2)
5. Social security available		020	104 040
population.		638	J04, D16
6. Health problems major urban health problems.	726	629	D06
a can anthropology.	726	629	J03
7. Define antimophology?  8. What are the two aspects of sociology?	727	633	D18(RS3)
o Socialization.	727	633	J18(RS3)
10. Social control mechanisms.		630	J12(RS2),
1. Acculturation.	728	030	J13(RS3),
			D02, D12,
			D13, D14
12. Social pathology.	729	637	D05, J08
13. Cognitive learning.	733	-	J14
14. Intelligence quotient (IQ).	735	535	D18(RS3),
			J17
18. Categories of mental retardation.	735	535	J18(RS3)
16. Types of families.	739	630	J13, D15
17. Nuclear family.	739	630	J08(RS2)
18. What are the functions of the family?	740	631	D14(RS3)
			J01
18. Broken family—define, reasons.	741	630	J10(RS2).
20. Problem family.			J02
21. Cultural factors in health and disease.	742	631	D11
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	PARK	SYKNT	
22. What are the social factors affecting health?	742	637	D12
23. Write about medicosocial worker.	749	643	D12(RS3), J08, D10
24. Social security.	758	207	D17(RS3)
CHAPTER 13 ENVIRONMENT AND HEALTH			
Long Essays			
Define safe water. Enumerate the sources of water. What are the various methods of purification of water on small scale?	766, 776	21, 29	D13(RS3)
<ol> <li>What are the causes of water pollution?</li> <li>Write in detail about rapid sand filtration method of water purification.</li> </ol>		25	D15
What are the various methods of purification of water and mention clearly about household purification of water.		24, 29	J19(RS3)
4. What are the guidelines for drinking water quality—criteria and standards? Describe each of the aspects in brief.			J08
5. Air pollution—sources, effects and prevention and control.	793	42	J18(RS3), J02
6. Define refuse and discuss the methods of solid waste disposal. Write in brief about controlled tipping.		65	J09, D11
7 Enumerate the vector-borne disease and add a note on "prevention an control".		98	J14(RS3)
8. Explain the chemical control of arthropod of public health importance.	ls 828	103	D07(RS2)
Short Essays			
What should be the thickness of plast bags should they be permitted? Why?			J11(RS2)
2. Prevention of Indoor air pollution in Indi			D17(RS3)
3 What is green house effect?	-	43	D19(RS3), J05
4. What is ozone depletion?		43	D03
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The second of sullage	(in —	75	D08(RS2)
5. Measures for safe disposal of sullage			D05 (425)
village).  6. Describe soakage pit with a diagram.		75	J02, J07
itary Woll.		23	D09, J13
7. Describe a sanitary well.  8. Enumerate water-borne diseases as a sanitary well.  8. Enumerate water-borne diseases as a sanitary well.	nd 770	23	D09
8. Enumerate water-borrie same. preventive measures, for the same.	ite 770,	23, 38	
9. Mention 'water-borne diseases	al 780	25, 56	D14
		24	D02
10. What are the steps of water purification 11. Distinguish between rapid and slow san	d 774	27	J07
filter.  12. Chlorination of water—principles.	774	27	J16(RS3), D13
18. Write in brief about break point chlorination.	775	28	D16(RS3), J10
What is residual chlorine? Explain free residual chlorine with a diagram. Is in necessary to have residual chlorine (role of residual chlorine in drinking water)?	The state of the s	28	J11(RS2), J02, J04, D04
What are the various methods used for purification of water on a small (domestic) scale?	776	29	J10(RS2), D12(RS3), D18(RS3), D01, D07
6: Methods of household disinfection of water.	776	29	D11(RS2)
Write how you will disinfect a well in a village during an epidemic (steps in well chlorination).	777	31	J13(RS3), D05
Surveillance of drinking water quality.	779		J16(RS3)
What are bacteriological standards of drinking water for rural community?	780	38	J05, D06
What are the methods for determining the bacteriological quality of water (fecal contamination of drinking water).	786	38	D09(RS2). J04, D04
Write the presumptive coliform test.	786	39	D03, J14
Describe the different methods for removal of hardness of water.	787		J15(RS3)
Deflouridation	787	145	D10
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of thermal comfort.	792	SYKNT	
24. Indices of thermal comfort.		40	D07(RS2), D16
of corrected effective temperatures for	792	42	D11(RS2), D15(RS3), J03, D10
Air pollutions—major air pollutants, sources and adverse health effects/ sources and control/monitoring prevention and control/monitoring	793	43	J10(RS2), D14(RS3), D05, D12, D14, J15
27. Ventilation—standards of ventilation/	798	44	J12(RS2), J10, D10, J13
28. How ventilation and overcrowding play a role in disease transmission?	798, 812	44, 56	J04, D04
29. Lighting standards.	801	-	D16(RS3)
Noise pollution—effects on health (noise-induced hearing loss)/control and prevention.	802	46	D08(RS2), D15(RS3), D02, J04, D04, J05, D06, J10, J12, D12, D16
31. Radiation—hazards (biological effects) and prevention.	804	52	D10(RS2), J18(RS3), J19(RS3), J02, J06, D12
32. Criteria for healthful housing.	810	55	D07(RS2)
33. Write briefly about standards of housing.	811	55	D13
34. Housing standards for rural areas.	811	56	D08(RS2). J11
35. Overcrowding and its effect.	812	56	D13(RS3), D16
36. How you will decide the overcrowding in a house?	n 812	56	J05
37. List the methods of disposal of soli	d 814	65	J18(RS3). D07, D15
38: Why human fecal matter needs to b	e 816	67	J11(RS2)
treated before disposal?  38. Sanitation barrier.	816	67	D19(RS2). J11, J17
40. Septic tank.	820	70	J14 Contd

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mosquito control.  46. Write the name of insecticides which are recommended for control of vector			
-F-donnish		129	D09(RS2)
Write short notes on residual insecticides.  48. Explain the environmental control of	834	112	J03
house fly.	840	122	D16(RS3
Diseases transmitted by soft ticks.	842	128	D07(RS2
50. Cyclops—control.  51. Give the classification of insecticides.	843	-	D06
51. Give the classification of the classific	846		J06, D07
Short Answers		445	D15(RS3
1/ Nalgonda technique.		145	D08
2. Fecal borne diseases.	-	75	J08(RS2
Soakage pit—define, mechanism of action.		75	D11 J19(RS3
Mosquitoes and immune diseases.		-	
5. List out the differences between mosquito and sand fly.			D00
			J05 D16(RS
Advantage and limitation of insecticides as method of vector control.			J06, D0
8. Safe and wholesome water.	766		

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9. Mention the difference between a shallow 76 well and deep well.  10. Descripted standards for a service of the service of	NAME OF TAXABLE PARTY.	YKNT	
well and deep well.	9 23	3	THE RESERVE OF THE PERSON NAMED IN COLUMN 2 IS NOT THE PERSON NAME
10 Required standards for a sanitary well 70			D06
To de la	9 2	3	J12
11. Back washing. 77	4 20	6	D16(RS3)
12 Residual chlorine (significance) and its 77 testing in the community.	5 21	8	D13(RS3), J18(RS3), J11, J14
3. What is break point chlorination? 77	75 21		D09(RS2), J12(RS2), D00, D01, J09
14. Residual chlorination. 77	75 2	8	D17(RS3)
15. Superchlorination of water. 77		8	D06, D09
16. How do you determine the chlorine in 77 drinking water? Orthotoludine test.	75 2	STATE OF STREET	D09(RS2), J04, D04, D08, D15
17. Stabilized bleach. 77	76 2	7	D11(RS2)
18. Methods of household purification of 77 water.	76 2	9	D19(RS3)
19. How will you determine volume of well 77 water?	77 3	2	J10
20. How you will determine the amount of 77 bleaching powder required to disinfect a well in a remote village?	77 3	12	D03
21. Double pot method. 7	78 3	33	D10
22. Surveillance of drinking water quality. 78	85 3	36	J17
23. How you will determine the most 78 probable number of coliform organisms in drinking water (presumptive coliform test).	86 3	39	J01, J05, D09
24. Horrock's test. 7	88 3	32	J10(RS2)
25. Rain water harvesting. 7	90 3	36	D15(RS3)
26. Indices of thermal comfort. 7	92 4	41	D16
27. Comfort zones. 7	92 4	42	D07
28. Indicators of air pollution. 7	96	44	J08(RS2), D10(RS2)
√29. Effects of air pollution. 7	97	43	D07(RS2)
	02	46	D01, D15
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		2	802	46	D00
	31. What is noise-induced hearing loss	alth.	802	46	J11
	31. What is noise-induced hearing 32. Non-auditory effects of noise on hea  32. Non-auditory effects of noise pollut	tion.	802	46	J15(RS3)
	32. Non-auditory effects of noise pollut  38. Effects and Prevention of noise pollut  38. Effects and Prevention of noise		803	47	J13(RS3)
	38. Effects and Prevention  Measures for the control of noise		804	51	D02
	DOILUITOTT.		804	52	J12(RS2),
	35. What is ionizing radiation?	s of	004		J14(RS3),
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	radiation of pressure	on a	806	58	303(NSZ)
	radiation of the resource of atmospheric pressure		207	61	D05
	health.  38. Health hazards due to exposure to his	gh c	507		
111	temperature	8	107	64	D15(RS3)
MEDIC	20 Kata thermometer.	8	07	62	J18(RS3)
	And Effects of heat street	8	08		J01
	41. What is heat hyperpyrexia:	8	08	889	D18(RS3)
	M Global warming.		14	65	J19(RS3)
E	43. Waste disposal in urban areas.	81	15	66	J18(RS3),
25	44. Composting.				D19(RS3)
COMMI	45. What is sanitary barrier?	81	6	67	J08(RS2), J13(RS3), J05, D14
	46. List out four criteria of a sanitary latrine.	81	7	67	D01
	47. Mention two uses of water seal in a water seal latrine.		8	68	J03
	48. What are the methods of sewage disposal.	823	3	76	D10(RS2)
	49. Oxidation pond.	825		79	J11, J17
	50. Write five vector-borne diseases with names of vector.	828		98	J04
5	What is biological control of vectors?	920		101	104 004 113
2049	"" yaleu vector control mana	828		104	J04, D04, J13
No on	Toues mosquitoes and at-	829		109	J15(RS3)
54	What is Aedes aegypti index?	831		106	D13(RS3)
58	Antimosquito measures.	831		393	J13(RS3). D09
	- doutes.	832		102	D15(RS3)
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58 Environmental antilarval measures.	832	102	D08(RS2)
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58 Environments of Environment	834	112	D08
59. List out the public health importance of	836	113	J01
an List out the diseases transmitted by lice.	837	119	D01
61. What are flea indices?	839	118	J02, D08, D13
Mention tick-borne diseases.	840	122	J11(RS2)
63. Write briefly on itch mite.	841	125	J09
A. Prevention of scabies.	842	126	D19(RS3), J07
65. Discuss the mechanism of action uses and public health importance of dichlorodiphenyltrichloroethane (DDT).	10	105	J13
66. List the diseases transmitted by rats.	846		D07
M. What are rodenticides?	847		D07(RS2), D03 -
Enumerate the important zoonatic diseases.	848	240	D10(RS2)
CHAPTER 14 HOSPITAL WASTE MANAGEMENT			
What are various methods of treatment and disposal technologies for health-causes?	ent 850 are	85	D09(RS2)
Short Essays			
How biomedical waste is categorized How category No. 3 is disposed off?	ed? —	83	D11
2. What is category No. 3 of biomed wastes and how it is treated/dispose	lical —	83	J07
Health hazards of health-care waste	e. 85	0 80	J09(RS2)
Categories of Biomedical waste in Ir	ndia. 85	3 83	D17(RS3)
5. Write the different containers and colors for disposing the hospital wa	their 85	53 83	J04, D04

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	5. Disaster preparedness.	PARK	SYKNT	
	6. Pre-disaster phase of disaster	859 859	879	D12
•	management.	009	879	J08(RS2)
-	7 Man-made disasters.	862	878	J18(RS3)
	CHAPTER 16 OCCUPATIONAL HEALTH			
	Long Essays			
-	Classify occupational diseases. Describe the various measures for the prevention of occupational diseases.	866, 873	188,	J16(RS3), D07
	<ol> <li>Classify occupational diseases. Write in detail about the engineering measures to prevent occupational diseases.</li> </ol>	866, 874	188, 201	J15
3	B. Define occupational health. List the occupational hazards. Mention the legislative measures to prevent them.	866, 876	187, 204	D10
4	What is pneumoconiosis? What are the factors that influence causation of pneumoconiosis? Describe the various types of pneumoconiosis and their health effects? What measures are taken to prevent it?	867	189	J12(RS2), D05
5.	Define pneumoconiosis. How is silicosis caused and how is it prevented?	867	189	D00
6.	What are the health hazards of workers in coal mines? What steps you would take to reduce the hazards?	867, 873	191	J08(RS2)
X.	Describe in detail, the various health problems due to industrialization.	871	198	D17(RS3)
8.	What are the laws meant for the protection of industrial workers? Write in detail about Factories Act, 1948.	876	204	D11(RS2)
	Explain the differences between social assistance and social insurance. Enumerate the provisions under the Indian Factory Act.	876	208, 204	J02
1	Write in detail about the benefits available to the employees and employers under the Employees State Insurance (ESI) Act, 1948?	877	205	J13
10.	Write in detail about the benefits available to the employees and employers under the Employees State Insurance (ESI)	87	7	7 205

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		Contd  And a hazards of		197	J09
		Short Essays  1. How can one prevent the hazards of agricultural occupation in India?  2. Classify occupational diseases with agricultural occupational diseases.	866	188	J10(RS2)
		Classify occupation  examples.  Pneumoconiosis (name giving)  Pneumoconiosis (name they occur).	867	189	D10(RS2), J15(RS3), J19(RS3), J05, D08, J14
		damiology, manifestation	867	190	D13(RS3), D01, D06
	題.	Silicosis—epiderinal and measures of control.	867	191	D15
EDICINE		and measures  5. Anthracosis.  6. General measures for control of		192	J11
		6. General management and prevention of lead management and prevention of lead poisoning (plumbism).	000	193	D11(RS2), J15(RS3), J18(RS3), D09, J15, D16
MMUNITY		g. Occupational cancers.	869	195	D07(RS2), D10(RS2), J12(RS2), J04, D04, J08, D13
2	1	Occupational dermatitis.	870	196	J14(RS3)
CO	16	Explain the occupation hazards of agriculture workers.	870	197	J09(RS2), D01, J07
	M.	Prevention of industrial accidents.	871	198	D17(RS3)
	12.	What is sickness absenteeism? Enumerate the reasons. Explain the significance of sickness absentism.	871	200	J17(RS3), D09, J10
		Health problems due to industrialization.		198	J10(RS2), D18(RS3)
	,	What (medical) measures can be taken o protect the workers health?	873	201	D09(RS2) D14(RS3) J09
_	6. E)	re-employment medical examination.	873	201	D00, J06, D07, D11
	an oc	cplain the advantages of pre-placement deperiodic medical examinations in cupational health.	873	201,	D02

17. Explain with examples, periodic medical examination	PARK	SYKNT	
		203	J01, J02, J03
18. Provisions under Factories Act, 1948— health promotion/health safety and welfare provisions.		204	J08(RS2), J12
Menefits to employees (sickness/medical).  Short Answers	877	205	D10(RS2), J11(RS2), D12(RS3), J15(RS3), D19(RS3), D02, J04, D04, J05, J08, J11, D11, D12
1. Occupational hazards of health-care professionals.		-	D17(RS3)
Z. Ergonomics.	864	187	D19(RS3), J04, D04, J07, J15, D16
3. Effect of vibration on health.	865	188	J11
4. What is respirable dust?	866	189	D02
15. Define silicosis. How is it diagnosed?	867	190	D17(RS3)
8. Anthracosis.	867	191	D18(RS3)
7. What is bagassosis?	868	192	J10, D14
8. Asbestosis and control.	868	191	D08(RS2), J13(RS3)
9. Dust control measures in coal mines.	868	192	J12
10. Farmer's lung.	868	192	D09, J17
11. Lead poisoning (plumbism).	868	193	D10
12. Occupational cancers—enumerate, causes.	869	195	J10(RS2), D08, J13
13. Cancer in dye industries.	869	195	J11(RS2)
14. Occupational dermatitis—causes and prevention.	870	196	J09, J15
18. Occupational risk to farmers/agricultural workers.	870	197	D11(RS2), D12(RS3), D18(RS3)

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	Human genome project.  Human genetics.	887		D07(RS2)
,	population	888	657	D11(RS2)
	Harriy yre	888		J13(RS3)
8.	Define the terms 'euthenics and	888	659	J17
9,	eugenics—application in medicine.	888	659	J04, D04, D05, D06, D10, D14, D15
10.	What is euthenics?	889	659	D13(RS3), D19(RS2), J14
11.	What is prospective genetic counseling?	889	659	D10
ME	APTER 18 NTAL HEALTH			
	ort Essays			J11(RS2)
X.	What are illusions, delusions and hallucinations.			
2.	What is primary mental health care and how is it implemented.			J12
3.	Write the characteristics of mentally healthy individual.	892		J11
V	Warning signals of poor mental health.	893		J09(RS2)
5	Common mental health problems.	893	-	J13
6.	What are the causes of mental ill health?	894	666	J08
7.	Types of mental illness.	893	666	J14(RS3), D18(RS3)
6	Mental health services in India	895	-	D16(RS3)
8.	Drug dependence/addiction.	895	674	D07(RS2).
	- f amoking	897	911	J16(RS3)
	Socioeconomic effects of smoking.  Adverse health effects of smoking.	899	911	D15(RS3). D19(RS3)
	Factors associated with a high risk for drug abuse.	900	674	J18(RS3)

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Contd  4. Enumerate various sources of health parties and system in India. Describe	903	500	000(HS2), J11, D13
any one in detail.	903	588	J11(同意思)
information:	903	552	D02, D04,
of hospital of hospital of hospital of hospital of write briefly on census.			J08
7 Write briefly on sample registration	904	553	J13
system.  Notification of diseases—list and its	904		D16(RS3), J06, J09, D14
9. Write merits and dements of hospital records as source of health information.	904	588	J12
records as source of the records as source of the records as source of the record linkage.	905	238	J14(RS3). D16
11. National Family Health Survey.	906	553	D16
11. National Farmy 12. Bar charts.	907	590	J17(RS3), D15
18. What are the measures of central tendency? What are its limitations?	910	596	D10(RS2), D19(RS3), J01, D11
14. Statistical averages.	910	596	D12
15. What are the measures of dispersion?	911	597	J16(RS3), D00, D01, J07, J08
16. Standard deviation.	911	598	D15(RS3), D10
17. Normal curve and normal distribution—characteristics.	912	600	D14(RS3), D17(RS3), J12, J15
18. What is sampling? Enumerate the techniques (sampling methods/techniques).	912	603	J17(RS3), D17(RS3), D09, J11, D15
9. Simple random sampling.	913	603	J17(RS3)
What is stratified random sampling? Illustrate with an example.	913	604	D13(RS3), J03, J10, D13
	913	606	J17

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22. Describe briefly the various "tests of significance"	of 913	608	J08(RS2), D11(RS2), J17
significance"	915	613	D16
23. Chi-square test.		500	
Short Answers  1. Quantitative variables, give example of the state of	f —	589	D05
Quantitative variables, 9     each.			D09(RS2)
each.  Z. Meaning of the term "inter-quartile range"	_		J09(RS2)
3. Contingency table.		599	D05
4. Law of probability.		605	D00
<ul><li>5. Cluster sampling.</li><li>6. What is data? Write types with suitable</li></ul>	902	587	D11
examples.  7. Distinguish between data and	902		D08
information.  8. Write uses of health information system.	902		J12
8. Write uses of health information.  8. Sources of health information.	903	588	D09(RS2), D08
16. Census as source of health information.	903	552	J10(RS2), D11, D13
11. What is vital statistics? Write its sources in India.	903	588	D11
12. Vital events—registration.	903		D12(RS3), J14(RS3), D18(RS3)
13. Birth and Death Registration Act of 1969.	903	917	D08(RS2). D16(RS3)
14. What is 'Lay reporting'?	903		J14
15. Sample registration system.	904	553	D17(RS3). J15
16. What is dual registration system?	904		J12
" nospital records—three drawbook-	904	588	D00, D01,
8. Record linkage.			J02, D04
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Bar diagram (Bar charts) and its uses.	907	590	D08(RS2), J10(RS2), J14(RS3), D15(RS3)
26. Histogram.	908	590	J09(RS2), J01, J12
21. Pie chart.	909	593	D00, D07, J15
32 What is spot map?		594	J13(RS3), D01, J07, D12
Measures of central tendency.	910	596	D14(RS3), J15(RS3), D03, J06, J1
24. Standard normal curve—properties/draw.	912	600	D08(RS2), J17(RS3), J18(RS3), D06, J13, J1
25. Sampling methods/types.	913	603	D16(RS3), J19(RS3), J09
26. Stratified random sampling.	913	604	J08(RS2)
27. Sampling errors.	913	606	D09(RS2)
28. Name the tests of significance.	913	608	J18(RS3)
29. Chi-square test.	915	613	D15(RS3), J17(RS3)
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CHAPTER 20 COMMUNICATION FOR HEALTH EDUCATION			
Long Essays			
1. Define health education and describe the various approaches and applications of health education.	920, 926	647	J09
What is health education? Discuss the principles of health education giving examples. Write briefly about the communication process. Enumerate the steps in planning for conducting a health educational session in a village.	924, 917	647, 646	D11(RS2). J17(RS3)
			Contd.

	Companion for 3rd	MBBS		
		PARK	SYKNT	
Conto	Discuss how up education	920,	647	J12
	What is health organize a health country ou will organize a health commen. you will organize a health commen.	923	648	J08
	what is concept of information, education what is concept of information, education	926	646, 649	D03
91	and communication? Determined the various the various methods to deliver it.  Classify and describe the various methods of health communication. Enlist methods of health communication the advantages and disadvantages of the different methods.	926	649	J09(RS2), D17(RS3)
	- Feegus			J08(RS2)
~	Effective methods of communication to youths.		0.17	
1	Barriers of health communication and their prevention.	919	647	J10(RS2), J12(RS2), D12(RS3), D13(RS3), J15(RS3), J11
	Functions of 'health communication'.	919		J14
1	Define health education. Describe six stages of adoption of new ideas and practices with one example.	920	647	D00, D02
8.	Briefly discuss the various approaches to health education.	921	648	D09(RS2), D14(RS3)
6	Models of health education.	922	648	D19(RS3)
y	Enumerate the differences between health education and health propaganda.	922	648	D10(RS2). J06, J07
8	Principles of health education.	924	648	D08(RS2), J09(RS2), J13(RS3), J13, D13, J1
9.	What is group health education? Write in brief about lectures.	927	650	J01
10.	What is group health discussion? Write in brief about group discussion.	927	650	D16
11.	What is group health education? Write in brief about role play.	928	652	J03
12	Discuss in brief the various health education methods for mass education.	929	654	D05 contd.

Contd	line			
Mass approach' for health od	PARK	0,		8
13. 'Mass approach' for health education (mass media).	929	SYKNT 654		
short Answers		034	D11, J14, D15	
1. What is an effective communication?				
2. Difference between seminar and symposium.		-	J05 D05	
3. Types of communication.	918	647	J16(RS3),	
Barriers of communication.	919	GAT	315	
List the functions of health communication.	919	647	D15(RS3)	
6. Health education and propaganda—	922	-	D06	
difference.	522	648	J13(RS3)	
7 Principles of health education.	924	648	D12	
rufferent methods of health education.	926	649	J04, D04	
9. Write modern methods of communication in medicine.	926	647	J11	
19. Audiovisual aids in health education.	926	649	D11(RS2), J02, D09	
11. Write advantages of individual approach in health education.	926	650	D11	
12/Explain in brief what is a group discussion.	927	650	D12(RS3), J10, J14	
18. Panel discussion.	928	651	J10(RS2), J16(RS3), J11, D14	
14. What is role play?	928	652	J07	
18. Symposium.	928	651	J12(RS2), D14(RS3)	
18. Mass media for health education—advantages and disadvantages.	929	654	J14(RS3)	
17. Enumerate the uses of Internet in medicine.	929	914	D02	
CHAPTER 21 HEALTH PLANNING AND MANAGEME	NT			
Long Essays			D10	
1. What is meant by National Health Planning? Describe the steps involved	931	739, 735	D10	
in a planning cycle.			Con	IC.

	Contd		PARK	SYKNT	
		Describe the various stage of planning	932	735	D06
	1	escribe the various ycle.  Describe the various ycle.  Define management. Describe the management methods and techniques.	933	736	J09
	r	nanagement methous at the says  It Essays  Differentiate between a cost effective and says  Differentiate between a cost effective and			J04
	1.	cost benefit study.	931	735	D09
INE	2.	Define objective, target and goal.  Define objective, target and goal.  Explain stages of planning cycle with a diagram.	932	735	J08(RS2), D08(RS2), D10(RS2), D13(RS3), D00, J01, J02, J03, D03, D05, J15, J17
DICI	N	Management techniques based on	934		D11(RS2)
ME	-	behavioral sciences.  Describe cost benefit analysis.	934	737	D14(RS3), J06, J10
E			934		D16
TINI		Input-output analysis.	935	736	J14
DMMC		Network analysis.  Program evaluation review technique  (PERT)—advantages.	935	736	D10(RS2)
00	9!	Describe salient points of National Health Policy, 2002.	936	748	J10(RS2). D05
	16.		937	739	J19(RS3), J04, J12, D16
	11.	Write three recommendations of Mudaliar committee.	937	739	D03
	12.	Write the recommendations of Kartar Singh committee.	938	740	J05
		Describe the purpose and recommendations of Shrivastav committee.	938	740	J10(RS2). J16(RS3). J18(RS3)
	14.	Rural health scheme.	939		J08
	15.	Enumerate organizational structure of health system in India.	942	743	J15

-11			
Conld	PARK	SYKNT	
16. Central health council and its functions.	943	744	J10, J11
17. Write in brief about 1010 of Clark	946	746	D09
in Panol.  In Panol.  List out the basic steps involved in evaluation.	946		J09(RS2)
Short Answers			
Write differences between cost-effective and cost-benefit analysis.			D11
2. What is pre-planning?	932		D13
3. Planning cycle and its steps.	932	735	J07, J09
Management by objectives (advantages).	934		D07(RS2), J12
5. Enumerate 'quantitative' methods of management.	934		D15
6. What is cost benefit and cost effectiveness?	934	737	J01, D02
7. Cost benefit analysis.	934	737	D12, J14
Cost effective analysis.	934	737	D13(RS3)
%. Input-output analysis.	934		J09(RS2), D10
18. Network analysis.	935	736	J10(RS2), J12(RS2), J17(RS3)
12. Program evaluation review technique.	935	736	D16(RS3), D16
12. Explain through a line diagram what critical path method.	is 935	737	J07, J08, D09, D14
18. Planning-programming-budgeting system.			D11(RS2)
14. Recommendations of Bhore committee	ee. 937	739	D13(RS3)
As. Recommendations of Shrivastav committee, 1975.	938	740	J09(RS2). D12(RS3)
18. Five-year plans.	939	740	J08(RS2)
17. 'Evaluation' of health program (planning)—components/general ste	me 946 eps.	;	J11, J15

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Cont	d	PARK	SYKNT	
CH	ALTH CARE OF THE COMMUNITY			
	Define primary health care. List the elements of primary health care. Briefly explain the principles of primary health	951	699	D01, D05, J13
2.	care. What are	951,	699,	J07, D08
3.	Define primary health care. Write about staffing pattern and functioning of primary health center (PHC).	951, 964	699, 703	J14
4.	Talain the concept of primary health	958, 964	699,	D00, J02
5.	a seiba the set up and functions of a	964	703	J08
8.	What is a "community health center"?  Describe how health care is delivered to a population covered by a community development block.	967	709	D07(RS2)
She	ort Essays			
1.	What are the determinants of primary health care?		700	J03
2.	What is the role of non-governmental organizations (NGOs) in family planning?			D10
3	Discuss briefly about various levels (three-tier system) of health-care services and in brief its 'characteristics'.	950	699	J10(RS2). J12, D14
	Define "primary health care". Write briefly about the "essential elements" and "guiding principles" of primary health care.	951	699	J12(RS2). D12(RS3). D14(RS3). J17(RS3). J18(RS3). J18(RS3). J01, D02. D03, J04. D04, J11. D11, D12.

conid	PARK	SYKNT	
Write the components of primary health  Write the components of primary health  care with examples.	951	700	D03
appropriate technology	952	701	J07
Describe Administrational Rural responsibilities under National Rural responsibilities under National Rural responsibilities under National Rural	959	726	D12(RS3), J19(RS3)
Traditional birth attendant (Dai).	960	702	D06
subcenter-health-care activities.	961	703	D01
18. Functions of a primary health center.	964	704	J03, J04, J05, D16
A. IPHS standards for staff pattern at primary health centre.	967	703	J19(RS3)
12/Describe a community health center functions.	- 967	709	D11(RS2), D03, D10
13. Duties of medical officer in primary hea center.	alth 970	706	J09
J4. Job description of multipurpose heat worker (female).	alth 971	707	D07(RS2), J09(RS2), J12(RS2), D13(RS3), D14(RS3), J05, D11
15. Job responsibilities of health work (male).	kers 973	707	J10, J14
16. Enumerate functions of health assistance (male).	stant 975	708	D09
77. Central Government Health Schen	ne. 97	7 710	D18(RS3)
18. Name the three health schemes, voifers health insurance.	which 97	7 208	J04
18. Indigenous system of medicine.	97	8 710	J18(RS3)
26. Voluntary health agencies in Ir define, enumerate and functions.	ndia— 97	78 756	D11(RS2), D13(RS3), D00, J02
21. Briefly describe the role of NGOs in care (non-governmental organiza	health 9 ation).	78 756	
22. Write in short about Indian Red (activities).		768	B D00, J10
Short Answers			1 D02, D05
1 Role of village health guides.		70	Contd

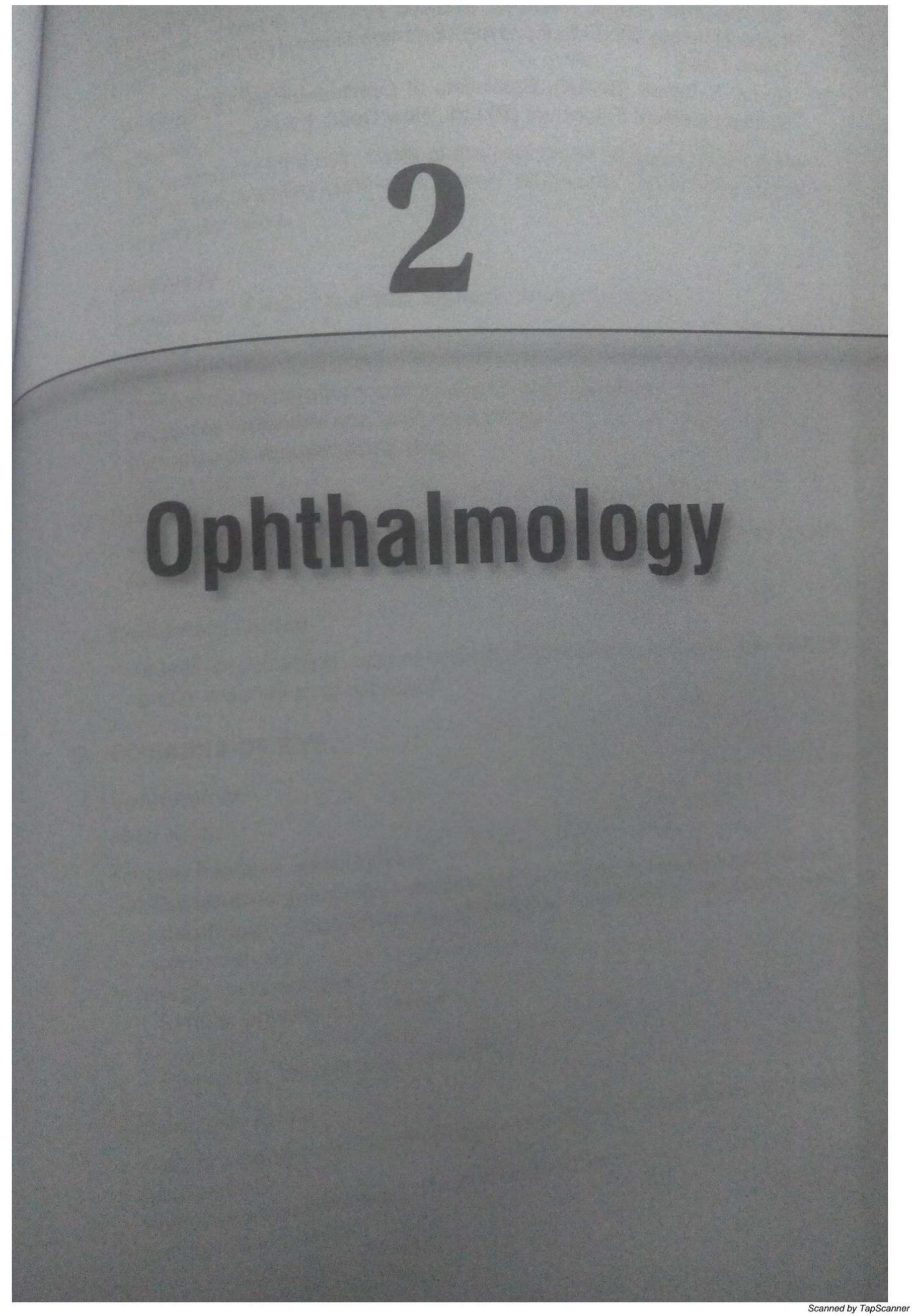
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	PARK	SYKNT	
22. Indian Red Cross Society—activities.	978	768	D18(RS3), D11
CHAPTER 23 INTERNATIONAL HEALTH			
chart Essays			
1. Write briefly on World Food Day.	002	700	D11
World Health Organization (WHO)  functions/responsibilities.	982	760	J09(RS2), D11(RS2), J13(RS3), D14(RS3), D00, J02, D16
World Health Day (Theme 2012/2014).	982	760	J12
3. Role of World Health Organization in fields of biomedical research.	983	762	J02
5. Enumerate the international donor agencies and mention the activities of UNICEF in India.	985	763	J03, J11
Expand UNICEF. Describe activities of UNICEF (United Nations Children's of UNICEF (United Nations Children's Fund) in India—in child nutrition/Child health/improving child survival.	985	763	J08(RS2), J10(RS2), D12(RS3), J16(RS3), J19(RS3), J01, D01, D02, D04, J06, D12, J13, D13
7. Add a note on the United Nations	986	764	D09
Development Program.  Development Program.	986	764	D16(RS3)
8. Food and agriculture organization (FAO).	986	766	D18(RS3)
V9. Bilateral health agencies.	988	768	J08, J15
10. International Red Cross Society.			
Short Answers	982	760	J04
1. World Health Day (2003).  2. List the activities of WHO.	983	761	D00, D02, D07
3. WHO role in disease control.	983	761	D05

## Community Medicine

Contd...

	PARK	SYKNT	
Slow viral diseases.			D07
Attrition.			J11(RS2)
Institute.			J11(RS2)
Case definition for malaria.			D13(RS3)
What are the guidelines for defining "at- risk" groups?			J15(RS3), D13
Three measures of aging in a population.	-		D16
y. Universal barrier precautions.		432	D07(RS2)
Enumerate functions of a manager.		738	D10(RS2)



## Companion for 3rd MBBS

- 1. AK Khurana, Aruj K Khurana, Bhawna Khurana (KHRN): Comprehensive AK Khurana, Aruj K Khurana, Ar
- Delhi, ₹ 995/2. Samar K Basak (BSAK): Essentials of Ophthalmology, 7th Edition, Jaypes
  2. Modical Publishers (P) Ltd., New Delhi, ₹ 895/-. Brothers Medical Publishers (P) Ltd., New Delhi, ₹ 895/-.

Question Bank			
	KHRN	BSAK	
Section I: Anatomy and	Physiology	of the E	Va
CHAPTER 1 ANATOMY AND DEVELOPMENT OF THE EYE			, -
Short Answer			
1. Mention the ocular coats of eye.	3	3	J08
CHAPTER 2 PHYSIOLOGY OF EYE AND VISION			
Short Answer			
1. Colour vision.	18	38	J17(RS3)
Section II: Optics a	nd Refract	ion	
CHAPTER 3 ELEMENTARY AND PHYSIOLOGICAL OPTICS			
Short Answers			
Mention three uses of prisms in ophthalmology.	27	552	J06
2. Convex lenses—three uses.	28	551	J07
HAPTER 4 RRORS OF REFRACTION AND CCOMMODATION			
ong Essays			
Describe the types and optical treatment of various refractive errors?	34	70	D13(RS2)
Define hypermetropia, discuss the etiology, types, clinical features and management of hypermetropia.	34	71	J12(RS2). D13
etiology, types, symptoms/signs and management of myopia.	38	73	J14(RS2). J15(RS3). D16(RS3). D00, J03, J12
Discuss types/classification, etiology and management of astigmatism.	42	78	J19(RS3). D16
			contd

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	KHRN	BSAK	
Short Essays			
Classify refractive errors. Add a no on hypermetropia.	ote 34	70	D18(RS3)
2. Hypermetropia—types, clinical presentation, complications and management (optical correction).	* 34	71	J08(RS2), J11(RS2), D17(RS3), J04, J16
Aphakia—define, causes, clinical features (signs), management/op correction (unilateral aphakia), vis rehabilitation.		81	J10(RS2), D11(RS2), J16(RS3), J18(RS3), D02, D05, J10, D10, J17
4. Aphakic glasses—disadvantages	37	83	J09
5. Pseudophakia.	38		D08(RS2), D06
Myopia—define, causes, clinical features, various modalities of correcting it.	38	73	D12(RS3), J13(RS3), J07, D07, J14, D14
Pathological (high) myopia—clin features, fundus picture and management.	ical 39	74	D08(RS2), D14(RS3), D01, J08, J15, D15
'	id 42	79	D08
8. Draw a diagram of Sturm's cond 9. Astigmatism—define, classify (diagram), modalities of correcti	42	78	J09(RS2), D10(RS2), D19(RS3), J02, J10, D12
	44	85	J14
10. Anisometropia.  11. Presbyopia—define, causes, correction.	44	87	D09(RS2) D15(RS3) D02, D03 J08, J12, D12
12. What are the advantages and disadvantages of different type	s of	213	D09
lenses?			Conte

		KHRN	Po.	
13.	Describe the various uses of contact lens.	51	BSAK 213	J14
14.	Describe the various type of surgeries performed to correct myopia.	52	76	J17
Sho	rt Answers			
1.	Accommodation.	45	86	Die
2.	Draw the optical diagram of emmetropic, myopic and hypermetropic eye?	34, 38	70	D19(RS3
3/	Aphakia—causes, signs, spectacle correction.	37	81	J13(RS3) J14(RS2) D14(RS3)
4.	Describe the strum's conoid.	42	79	J13
5%.	Anisometropia—define, three causes, two problems, significance.	44	85	D07(RS2 D10, J13
8.	Presbyopia.	47	87	J15(RS3
Y	Bifocals.	50	88	D11(RS2 J16(RS3
8	Contact lenses—three advantages and disadvantages, indications, three complications.	50	212	D15(RS3 J01, J02 D04, D06 J08
9.	What is surgical treatment of myopia?	52	76	D03, D1
10.	Enumerate types of kerato refractive surgery.	52	76	J09
11.	Radial keratotomy.	52	76	J17(RS3
12.	LASIK	52	77	J08(RS2 D13(RS2 D15(RS2
CHI	Section III: Diseases of Eye a	and Ocula	ar Adnex	a
DIS	EASES OF CONTUNIO			
	o -osays			
-	Classify conjunctivitis. Discuss trachoma. Discuss and management of	61, 68	144. 155	J06, J15
	of acute considerential diagnosis	63	145. 149	D08(RS

	KHRN	BSAK	
3. Discuss etiology, clinical features, complication and management of ophthalmia neonatorum.	77	151	J14
4. Discuss etiology, clinical features, complications and management of pterygium.	89	165	J10
Short Essays			
Membranous conjunctivitis.		152	110/000
2 Write briefly on phlycten.			J10(RS2), D10(RS2), D08
3. Describe the clinical features and management of purulent conjunctivitis.	63	150	J10
4. Angular conjunctivitis (clinical features and management).	66	153	J13(RS3), D14(RS3), J06
Trachoma—define, WHO classification, clinical (ocular) features, complications, treatment, SAFE, and control project.	67, 501	155	J09(RS2), D06, J07, J12, D13
6. What is a pannus? Discuss causes of pannus. How do you treat pannus?	69	156	D09, D10
Ophthalmia neonatorum.	77	151	D09(RS2), D13(RS2), J08
Allergic conjunctivitis.	79	159	J19(RS3)
Vernal keratoconjunctivitis (spring catarrh)—clinical features and management.	80	162	J08(RS2), J11(RS2), D11(RS2), J14(RS2), D14(RS3), D15(RS3), D16(RS3), D17(RS3), D17(RS3), D00, D01, D03, J11, D12, J13, D14

Phlyctenular conjunctivitis/disease— 84 160  Phlyctenular conjunctivitis/disease— 84 160  Discuss pinguecula. 89 164  Petrygium—define, treatment of recurrent pterygium (two agents used), surgical management (indications).  13. Differences between true and pseudopterygium.  Short Answers  1. Tabulate differences between pseudomembranous and membranous conjunctivitis.  2. Causes for pseudomembranous — 148	J12(RS2), D19(RS3), J02 D00
Phlyctenular conjunctivitis/disease—clinical features and management.  10 Phlyctenular conjunctivitis/disease—clinical features and management.  11 Discuss pinguecula.  12 Pterygium—define, treatment of recurrent pterygium (two agents used), surgical management (indications).  13 Differences between true and pseudopterygium.  14 Short Answers  1 Tabulate differences between pseudomembranous and membranous conjunctivitis.  2 Causes for pseudomembranous — 148	J12(RS2), D19(RS2)
Pterygium—define, treatment of recurrent pterygium (two agents used), surgical management (indications).  13. Differences between true and pseudopterygium.  Short Answers  1. Tabulate differences between pseudomembranous and membranous conjunctivitis.  2. Causes for pseudomembranous — 148	J02, D06, D09
Pterygium—define, treatment of recurrent pterygium (two agents used), surgical management (indications).  13. Differences between true and pseudopterygium.  Short Answers  1. Tabulate differences between pseudomembranous and membranous conjunctivitis.  2. Causes for pseudomembranous — 148	J14(RS2)
pseudopterygium.  Short Answers  1. Tabulate differences between pseudo- membranous and membranous conjunctivitis.  2. Causes for pseudomembranous — 148	D09(RS2), J15(RS3), J04, D05, J12, D12, D15
<ol> <li>Tabulate differences between pseudo- — 147 membranous and membranous conjunctivitis.</li> <li>Causes for pseudomembranous — 148</li> </ol>	D16
membranous and membranous conjunctivitis.  2. Causes for pseudomembranous — 148	
	D07
conjunctivitis.	J04
3. Membranous conjunctivitis. — 152	J17(RS3)
A. Pannus. 69 156	J19(RS3)
8. Phlycten. — 160	D08(RS2)
6. Herbert's pits. 69 156	D11(RS2), J16(RS3)
Trachoma—three complication/six 70 155 squeal/treatment.	J18(RS3), D01, D02, J05, J12, J14, J16
8. Viral conjunctivitis—causes. 74 154	J09
9. Ophthalmia neonatorum. 77 151	J12(RS2)
Spring catarrh (Vernal-keratoconjunctivitis)—types/signs/ 81 162 treatment	D13(RS2). J16(RS3). J18(RS3). J04
M. Pinguecula	J08(RS2)
12. Pterygium (surgical management, 89 164 three complications). 89 165	D15(RS3). J08, D15
73. Pseudopterygium—define/causes. 90 166	D16(RS3).

Conta				
		KHRN	BSAK	
14.	Define chemosis and ecchymosis.  Mention two causes for each.	92	145	D02, J11
JS.	What are the causes for subconjunctival hemorrhage and how is it managed?  PTER 6	92	171	J09(RS2), D12(RS3), J03, J05, J07, J09, D13, D16
DISI	EASES OF CORNEA			
Long	g Essays			
*	Define corneal ulcer. Mention the stages of corneal ulceration.  Discuss the causes, clinical features, diagnosis, complications and management of a uncomplicated bacterial corneal ulcer (bacterial keratitis).	102	179	J13(RS3), J05, D07, D12
£.	Name three organisms which can penetrate intact corneal epithelium. Describe the etiopathogenesis, ocular manifestations (clinical features), investigation, complications and management of hypopyon corneal ulcer.	102, 105	179, 185	J08(RS2), D15(RS3), J18(RS3), J07, D10, D16
J.	Fungal keratitis/corneal ulcer (keratomycosis)—etiology, clinical features and management. Add a note on causes of non-healing corneal ulcer.	109,	187	J09(RS2), J19(RS3), J02, D03, J13
4.	Discuss various lesions of the cornea caused by herpes simplex. Add a note on treatment.	111	189	D08
Sho	rt Essays			
	What are the factors responsible to protect the cornea against infection?			D11
2.	Describe ideal recipient for penetrating keratoplast.			J09
~	Cornea—brief anatomy (mention layers).	98	3	D12(RS3). D03

Contd	KHRN	10 1000	
	100	BSAK	
4 Discuss factors for corneal transparency.			J17(R\$3)
- Corating corneal ulcer.	103	182	
/ corneal ulcer.	105	185	J12(RS2)
Complications of cornear dicer and sequelae of its perforation (complications of a perforated cornea (complications of a perforated cornea	106	181	J14(RS2) J03, J11, J15, D15
8. What is the role of atropine in the treatment of corneal ulcer? What treatment of corneal ulcer? What alternative drug can be used in patients allergic to atropine? What patients allergic to atropine? What drugs can be used if atropine fails to dilate the pupil?	108	185	D02
9 Fungal corneal ulcer (fungal keratitis)—fungi responsible, clinical features, treatment (name two antifungal used in ophthalmology).	109, 468	187	D11(RS2), J15(RS3), J16(RS3), D08, D11, J16, J17
10. Herpes simplex keratitis.	110	189	D09(RS2)
Dendritic ulcer—clinical features and management.	111	190	J18(RS3), D18(RS3), D01, J11, D14
12. Herpes zoster ophthalmicus—ocular manifestations, complications and management.	113	192	J01, D04
Acanthamoeba keratitis.	116	189	D07(RS2), J11(RS2), J13(RS3), D17(RS3)
<ol> <li>Neuroparalytic keratitis—etiology, clinical features and treatment.</li> </ol>	118	194	D10
5. Exposure keratitis (causes and management).	119	194	D08(RS2)
Peripheral ulcerative keratitis (PUK)— management.	120	195	D13 D16(RS3)
Mooren's ulcer—clinical feature	120	196	D00

contd.		The same of the sa		1
1/30.	What are causes of deep keratitis? Interstitial keratitis—stages, clinical features, management.	KHRN 124	BSAK 199	D02, D06,
20. 21	Arcus senilis—diagnostic criteria.  Keratoconus.  Comeal edema.  Comeal opacity—treatment.	126 135 137	201 206 177	J08, D09 J09 D16 D11(RS2), J16(RS3)
	contraindications. Add a note on eyebank.	141, 509	488, 493	D19(RS3) J04, D05, D08, J13
Sho	rt Answers			
7	Layers of cornea—list/draw a labeled diagram.	99	4	J10(RS2), J14(RS2), J06
2.	What is the nerve supply of cornea? Give two causes for diminished corneal sensation.	99	5	D05
3.	What are the stages of corneal ulcer?	103	179	J04
4.	What is hypopyon? Give three causes for hypopyon corneal ulcer.	105	185	D05
5.	Sequel of corneal ulcer perforation.	106	182	J12
9	Corneal scars.	106	180	J18(RS3)
7.	Atropine sulfate 1% in corneal ulcer.	108	185	D14
8.	Mention features of fungal hypopyon,	110	188	J09
9.	Name two investigations for fungal corneal ulcer. Mention two topical and two systemic antifungal agents.	110	188	J14
10.	Herpes simplex—corneal signs.	111	190	D10(RS2)
11.	Herpes zoster ophthalmicus—ocular manifestations.	113	192	D12
12	Exposure ketaritits and treatment.	119	194	D13(RS2). D14
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	What are keratic precipitates? What are the different types of keratic precipitates.	159	226	J13(RS3)
7.	What do the terms occlusive pupillae and seclusio pupillae denote?	161	229	D02
K.	Occlusio pupillae.	162	229	D14(RS3)
9.	What is rubeosis iridis? Mention its causes and complications.	162	228	D01
10.	Discuss the effect of anterior uveitis on intraocular pressure.	162	229	D00
Jr.	Discuss the mechanism of glaucoma in a patient with uveitis.	162	230	D07(RS2)
12.	Phthisis bulbi.	163	230	J15(RS3)
13.	- " t f f tomatous	164	226	J11
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2.	Describe the differences between endophthalmitis and panophthalmitis.			D13(RS2)
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11.	Rubeosis iridis—causes and complications.	162	228	D02
12.	Mention the causes of glaucoma in iridocyclitis.	162	230	D11
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15.	Mention three differences between granulomatous and non-granulomatous uveitis.	164	226	J08
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M.	Evisceration—define, two/three indications.	178	499	D08(RS2), D14(RS3), D08, D14, D16
CHA	APTER 9			
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	Define cataract. Classify cataract.  Describe the types, stages of senile cataract. Discuss clinical features of senile cataract and its management with recent developments. Add a note on phacoemulsification.	187, 193, 202, 211	256, 262, 474	J13(RS3), J17(RS3), J08, D10, J12, J14
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6.	Discuss the complications of senile cataract. How will you manage them?	199	266	D00
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0,	What are the investigations done before cataract surgery?	202	269	D03
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9.	Describe the differences between conventional extracapsular cataract extraction (ECCE) from phacoemulsification.	205	274	J13
10.	Discuss the advantages and disadvantages of phacoemulsification.	205	275	D14
yt.	Intraocular lens (IOL)—define, types, advantages.	213	477	J12(RS2), D02
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13.	Describe the complications of extracapsular cataract extraction.	217	482	D16(RS3) J16
14.	Postoperative complications of cataract surgery.	219	481	D16(RS3)
15.	Hyphema—define, causes, complications and its management.	219	445	D12(RS3), J17(RS3), D19(RS3), J02, D08, J11, J17
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8	(Second sight).  Metabolic cataract.	199	210	J10(RS2)
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12.	Name different types of anesthesia used for cataract surgery.	204	467	D10
18.	Advantages of phacoemulsifications?	205	275	J09(RS2), D16(RS3), D18(RS3), J01, D04
14.	Mention three advantages of small incision cataract surgery.	205	274	J07
15.	Describe the differences between phacoemulsification and conventional extracapsular cataract extraction?	205	274	D12
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18.	What is phacoemulsificaition?	211	275	D19(RS3), J05
19.	Name different types of intraocular lenses.	213	478	D08
20.	What are the differences between AC-IOL and PC-IOL?	213	479	J10
21	Name various materials used in manufacturing of intraocular lens.	214	480	D07(RS2)
22	Types of PC-IOL.	214	479	D15
20	. IOL power calculation.	216	270	D09(RS2)
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What are the complications following what are the complications following	218	481	J02
Mention three complications of	218	482	J14
Hypheama—define, causes, complications.	219	445	J09(RS2 J18(RS3
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After cataract (posterior capsule opacity)—define, types, treatment.	221	277	D07(RS2 J08(RS2 J15(RS3 D06, D08
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2. Subluxation of the lens—four causes/	223	279	J06, D11
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three syndromes associated.  CHAPTER 10  GLAUCOMA	231, 233	287	J08, J15
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		Describe circulation of aqueous	229	30	J09
	A	humor.  Factors responsible for maintenance of intra-ocular pressure.	229	282	J19(RS3)
		Punhthalmos (congenital/infantile	232		D08(RS2), D10(RS2), J11(RS2), D13(RS2), D17(RS3), J04, J06, J10, D13
	9	Primary open angle glaucoma/ chronic simple glaucoma—optic disc changes, visual field defects, medical management.	236	298	D11(RS2), J14(RS2), J01, J02, D03, D04, D09, D11, D15, J16
00	V	Topical drugs in glaucoma.	243	308	J10(RS2)
HALMOL	3	Angle closure (narrow angle) glaucoma—causes, clinical stages, clinical features and treatment (acute congestive attack).	246	289, 296	D18(RS3), J04, J05, D05, J14
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OPF	18.	Acute congestive glaucoma (clinical features, management and differential diagnosis).	251	290	J08(RS2), D15(RS3), D01, J03
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	JA.	Lens induced glaucoma (LIG)— clinical features and treatment.	254	311	D18(RS3), J09
		Phacolytic glaucoma.	255	312	J15(RS3), D08
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1.	Asteroid hyalosis.  Vitreous hemorrhage—causes, management.	268	323	J19(RS3), J02, D12
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N.	Types of vitreous opacities.	267	322	D08(RS2)
S.	Asteroid hyalosis.			J11(RS2), D17(RS3)
	Synchysis scintillans.	267	322	J08(RS2)
3. A.	Vitreous hemorrhage—mention three causes and three complications.	268	323	D01, D02, J04, D13, J16
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1	(Proliferative) diabetic retinopathy— define, ETDR's classification, clinical features and management.	200		D18(RS3), D12
1.	Rhegmatogenous retinal detachment— clinical features, risk factors and management.	309	345	J11(RS2), D17(RS3)
3	What is leukocoria? Enumerate the	317,	382,	J08(RS2), J16
	causes for the same (differential diagnosis of amaurotic cats eye reflex in a child). Describe retinoblastoma in detail (management).	314	378	310
Shor	t Essays			147/DC3)
N.	Eale's disease.	276	323	J17(RS3)
3	Central retinal artery occlusion (fundus picture).	277	333	D07(RS2), J08(RS2), J06, D08, J14, D14
	(Ischemic) central retinal vein occlusion—fundus picture/two complications.	279	335	J13(RS3), J01, J02, D04, J11, D12, J13, J16 Contd

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Short Answers

What are the layers of the retina?

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short Essays  Short Essays  Write visual pathway (draw diagram).	322	43	D18(RS3), D16
Hemianopia.	326	43	D13(RS2)
3. Draw and label a diagram of publicary	327	45	D01
4. Draw a neat labeled diagram of light	327	45	D13
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Optic neuritis—signs, symptoms, optic disc changes and management.	329	362	J11(RS2), D15(RS3), D17(RS3), J09
7. Papillitis.	330	362	D01, J04
Retrobulbar neuritis—clinical features and management.	330	362	J10(RS2), D14
9. Tobacco amblyopia—clinical features.	332	364	D07
10. Papilledema (clinical features/fundus picture).	336	366	D08(RS2), J12(RS2), J03, J12, J15
11. What are the fundus changes in intracranial space occupying lesions?	337	368	D09
Optic atrophy (classify with examples and one cause for each type).		370	D09(RS2), D16(RS3), D02, D07
13. How will you differentiate papillitis from papilledema?	339	369	J07, D08, D13, J16
14. Describe the fundus picture in primar optic atrophy. Name two causes of	y 340 of	370	D11
primary optic atrophy.	241	511	D09(RS2)
15. Night blindness.	341	40	J14(RS2).
18. Color blindness.	342		J19(RS3)
Short Answers			D14(RS3).
Tubular vision—two causes.			J17(RS3). J03, J04, J11 Contd—
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2/ Visual pathway (draw and label).	322	43	J08(RS2),
3. What is Marcus Gunn pupil? Mention three conditions.	328	45	D10(RS2), D05, D10
A. Argyll Robertson pupil.	329	46	J10(RS2), D14(RS3)
5. Adie's pupil.	329	46	J11(RS2), D17(RS3)
Six causes of chronic retrobulbar neuritis.	330	362	D10(RS2)
7. What are the diagnostic criteria for acute retrobulbar neuritis?	330	363	J01, J02, D04
8. Mention two signs of optic neuritis.	330	363	D12(RS3)
8. Toxic amblyopia.	332	364	J08(RS2)
10. Mention the causes of toxic optic neuropathy.	332	364	J13
11. Define papilledema.	336	366	J09
12. Mention three causes of optic disc edema.	336	367	J14
13. Types of optic atrophy.	338	370	J14, D16
14. Differences between primary and secondary optic atrophy.	338	370	J04
15. Three causes for optic atrophy.	340	370	D03
18. Primary optic atrophy—causes/optic disc changes.	340	370	J14(RS2), J15(RS3)
17. Secondary optic atrophy—causes and fundus appearance.	340	370	D10(RS2), J12
18. Consecutive optic atropy—define, two causes.	340	370	J10(RS2), D00
19. Nyctalopia (night blindness)—define, four causes.	341	511	D07(RS2), D19(RS3), D05, D07, J08, D12, D13
Color blindness—classify/testing.	342	40	D07(RS2), J15(RS3), D08
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CHAPTER 14 DISORDERS OF OCULAR MOTILITY				
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2. Amblyopia—definition, causes and treatment.	355	424	D10(RS2), D14(RS3)	0
3. What is anisometropic amblyopia? How do you treat it?	356	424	D03	PHT
4 Concomitant squint—clinical features and assessment/investigations.	361	427	D15(RS3), D07	HTHAL
8. Paralytic squint.	367	433	J08(RS2)	3
Differentiation between paralytic (concomitant) and nonparalytic (incomitant) squint?	371	434	J09(RS2), D18(RS3), J03, D05, D10, J12	OLOGY
7. What are the principles of squint surgery? What are the causes of convergent squint?	372	431	J05	
Short Answers				
1. What are the elevators of upper lid?  Mention their nerve supply.		18	D01	
Extraocular muscles—names, nerve supply, actions.	349	16	D09(RS2). J12(RS2). J13(RS3). D14(RS3). D18(RS3). J02, J03. D05	
Superior oblique muscle—origin, insertion, nerve supply, three actions	349	16	D07(RS2), D03, J05, D09, J11	
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	4.	cumply, actions.	349	16	D10
	5.	What are the depressors of eye?  Mention their nerve supply.	349	16	J12
	8	Amblyopia—classify, etiology, significance.	355	424	J09(RS2), D11(RS2), J16(RS3)
	7.	Classify diplopia. Give one example for each of them.	357	422	D08
	8.	tie pooudosquint? Give two	358	425	J01, D04
	9.	Classification of squint.	358	426	D19(RS3)
	10.	Mention two tests to measure the amount of squint.	359	430	D11
)GY	11.	Mention the methods and management of concomitant squint?	364	431	D01
070	九	Hirschberg test.	365	430	J13(RS3)
LMO	13.	Paralytic squint—causes, features (signs).	367	433	J14(RS2), J06, J13
HTHA	14.	Differences between concomitant (paralytic) and incomitant (non-paralytic) squints.	371	434	D14
OP	15:	Name the weakening procedures to correct squint.	372	431	J09(RS2)
	16.	What is nystagmus? Name two causes of nystagmus.	373	440	D10
		PTER 15 EASES OF EYELIDS			
	,	t Essays			J18(RS3)
	X.	Anatomy of eye lid.	377	17	J08(RS2).
	1	Blepharitis (causes, clinical manifestations and its treatment).	380	135	D13(RS2). J17(RS3). J07, J08
		Ulcerative blepharits—clinical features, complications and	380	136	D01, J11
	×	treatment. Squamous blepharitis.	381	135	D14(RS3) Contd

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4. Dacryocystectomy—define, indications, steps of surgery.	KHRN 415	BSAK 497		129
chort Essays			D02	
1. Normal anatomy of lacrimal passages.	404	20	D13/D0-	
2. Tear film—layers and their functions.	404		D13(RS2)	
Dry eye—causes, diagnosis and management.	406	28	D07(RS2)	
	.00	403	J11(RS2), D17(RS3), D15(RS3), J05, D07	
Schirmer's test—indication, procedure and interpretation.	407	407	D10(RS2)	
5. Epiphora.	408	410	114/000	
8. Congenital dacryocystitis (naso- lacrimal duct obstruction)—aetiology clinical features, complications and treatment.	410	415	J14(RS2), J09(RS2), D10(RS2), D00, J03, D11, J12,	OPH
7. Chronic dacryocystitis (clinical features and management).	411	414	J14, D14 J02, J08	THALI
Acute dacryocystitis—clinical features, treatment and complications.	412	414	J10(RS2), J18(RS3), J01, D03, J04, D04, J05	MOLOGY
9. Discuss principle of dacryocysto- rhionostomy.	413	498	J04	
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Dacryocystectomy (DCT)—     indications		417	D16	
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6. Acute dacryocystitis (clinical features and management).	412	414	J12(RS2), J17
7. Dacryocystorhinostomy (DCR)—steps, complications, contraindications.	413	498	J10, J13, J15
CHAPTER 17 DISEASES OF ORBIT			
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Short Essays			
Proptosis—define, different causes (at age of 60 years), investigation and management.	420	388	D10(RS2), J08
2. Discuss causes for uniocular proptosis.	421	388	D12(RS3)
3. Orbital cellulitis—clinical features and management.	426	393	J11(RS2), J17(RS3), D17(RS3), J01, D04, J17
4. Draw a neat labeled diagram of cavernous sinus and its connections.	428	24	D11
5. Cavernous sinus thrombosis.	428	400	D07
6. What is endocrine exophthalmos?  Describe its mechanism and pathogenesis.	431	395	D02
Describe eye manifestations of thyroid ophthalmopathy/clinical features of thyroid eye disease.	431	396	D07(RS2), D12, D14
Blowout fracture (features).	440	450	D12(RS3), D09
9. Name three destructive surgeries in ophthalmology and discuss about exenteration.	443		J08

A. Traumatic hyphema.

J15(RS3)

445

447

Conto		KHRN	BSAK	
5:	Describe the lens changes following blunt injury to the eye.	447	447	D01, J05, J15
6.	Traumatic cataract.	448	448	J10(RS2), D15
1	Commotio retinae—define, treatment.	448	449	J13(RS3)
X.	- trating injury of the eye.	449	451	D18(RS3)
8.	Siderosis bulbi—etipathogenesis and clinical features.	452	456	J03, D14, D16
10.	Sympathetic ophthalmitis (clinical features, treatment).	455	239	J10(RS2), J11(RS2), D15(RS3), D17(RS3), D06, J07, J09, D13, D16
JX.	Chemical injuries/alkali burns to the eye (grading, managements and complication).	456	459	J14(RS2), D16(RS3), J19(RS3), J05, D11, J14
	rt Answers			
A.	Corneal foreign body—removal.	444	453	J18(RS3), D19(RS3)
2.	Enumerate the iris abnormalities following blunt trauma.	447	446	D12
3.	Iridodialysis.	447	446	D15
4.	What are the effects of blunt injury on the lens?	447	447	D08
5/	Rossette cataract.	448	448	J13(RS3)
0	Berlin's edema.	448	449	J10(RS2)
7	Enumerate complications of retained	451	455	D07
	intraocular iron foreign body.	452	457	J09(RS2). D10
18.	Chalcosis—define, eye manifestations.		443	D02
9.	What is black eye and red eye? Mention three causes of red eye and	455		J08, D15
10.	one cause of black eye.  Sympathetic ophthalmitis (clinical	455	239	
	features).			contd

Contd. -

Cont	d	KHRN	BSAK	
		466	50	D00
2.	Mention three antiviral drugs?	468	51	D09(RS2)
		469	53	D16
4.	-i -i6/ antiulace-	469	53	D15
5.	Topical antiglacuoma drugs.  Topical antiglacuoma drugs and their  Mention three topical drugs and their  Mention three topical drugs and their	469	53	J14
6.	mechanism of dotte			
	Mention three new antiglauconta	469	53	J08
8.	Name the drugs which decrease the aqueous production.	469	53	D10
8.	Timolol maleate (mode of action and side effects).	470	308	J13(RS3), D16(RS3), J18(RS3), D13
10!	Miotics.	471	51	J17(RS3), D03, J11
11.	Acetazolamide—three important side effects.	471	53	J05
12.	What are the pharmacological effects of pilocarpine in the eye? Mention its uses.	472	309	J07
13.	Mention three hyperosmotic agents and its dosage.	472	53	J10
14.	Steroid in ophthalmology (uses/three side effects).	473	54	J14(RS2). J03, J07, J11
15.	Mention six ocular diseases/three corneal ulcers in which steroid therapy is indicated.	474	54	D02, J17
16.	Uses of fluorescein in ophthalmology.	479	562	D13(RS2)
17	Cycloplegic mydriatics in ophthalmology.	593	52	J08(RS2). J11(RS2). D13(RS2). D17(RS3). D18(RS3). J19(RS3)
18.	Mention three mydriatic agents with their duration of action.	593	52	D12(RS3), J06, D12
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	KHRN	BSAK	
Atropine sulphate (atropine eye atropine sulphate (atropine sulphate) three uses in ophthalmology.	108, 164, 593	52	D08(RS2), J15(RS3), D06
PTER 20 CRYOTHERAPY IN SERS AND CRYOTHERAPY IN HTHALMOLOGY			
What is Laser? Mention its (Nd-YAG What is Laser? mention its (Nd-YAG)	481	558	J10, J15
Lasers for posterior segment diseases in onhthalmology.		559	D15
Uses of cryotherapy in ophthalmology	484	561	D18(RS3)
and Answers			
Laser—define, types, three/six uses in ophthalmology.	481	558	D10(RS2), J19(RS3), D01, D03, J08, J09, D16
2. YAG Laser.	482	558	J14(RS2)
<ol> <li>Mention the uses of lasers for anterior segment pathology.</li> </ol>	or 483	559	D13
4. Mention the uses of lasers in the management of retinal diseases.	483	559	D11
8. Cryotherapy in ophthalmology—indications/three operations.	484	561	J09(RS2). D00
Section V: Systemic and Co	ommunity	Ophthaln	nology
SYSTEMIC OPHTHAL MOLOGY			
- CIT ESSAYS			
Vitamin A deficiency (xerophthalmia)—WHO classificat ocular manifestations, manageme	dent.	511	D07(RS2) D09(RS2) D13(RS2) J18(RS3), D18(RS3) J03, J06,

J10

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	KHRN	DO	
Ditat's spot	THE REAL PROPERTY.	BSAK	
		512	D14(RS3)
leprosy.	451		D14(RS3) J08
What are ocular components of myasthenia gravis.			J06
Vitamin A deficiency (WHO classification).	487	511	J12(RS2),
etiology and management (diet	488	512	J13(RS3) D10(RS2), D00
Give sources of vitamin A.	490	514	Don
AIDS—ocular manifestations/three important retinal lesions.	490	_	D05 J10, D11,
What are the ocular manifestations of leprosy?	491		D15 J14
Discuss the National Program of Control of Blindness (NPCB) in detail	502	504	D15
Legal blindness.	106	E02	D00/DC2)
			D08(RS2)
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National Trachoma Control Program.	501	508	J13(RS3)
What is trachoma control project?		508	D03
National Program for Control of	502	504	J02, J05
District Blindness Control Society	503	509	J19(RS3). D16
Eye bank—define activities methods	509		J01, D04. J12, J16, J17
Eye donation.	510	493	D00, D15
Answers			- (0/083)
Cause of permanent/incurable			D19(RS3). J01, D04 Contd
	t Answers  What are ocular components of myasthenia gravis.  Vitamin A deficiency (WHO	Mention the ocular manifestations of leprosy.  **Answers**  What are ocular components of myasthenia gravis.  Vitamin A deficiency (WHO deasification).  Bitot's spots—clinical appearance, etiology and management (diet advised).  Give sources of vitamin A. 490 deprosy?  PTER 22 MUNITY OPHTHALMOLOGY  Essay  Discuss the National Program of Control of Blindness (NPCB) in detail.  **Essays**  Legal blindness. 496 degal blindness.  Vision 2020. 499  National Trachoma Control Program. 501  National Program for Control of 502  Blindness—aims and objectives.  District Blindness Control Society 503  Discuss of permanent/incurable.  Eye donation. 510  Answers  Cause of permanent/incurable.	Bitot's spot.  Mention the ocular manifestations of deprosy.  **Answers**  What are ocular components of myasthenia gravis.  Vitamin A deficiency (WHO decision of decision).  Bitot's spot.—Clinical appearance, etiology and management (diet advised).  Give sources of vitamin A. 490 514  AIDS—ocular manifestations/three deprosy?  PTER 22  MUNITY OPHTHALMOLOGY  Essay  Discuss the National Program of Control of Blindness (NPCB) in detail.  Essays  Legal blindness. 496 502  Vision 2020. 499 515  National Trachoma Control Program. 501 508  National Program for Control of 502 504  Salindness—aims and objectives.  District Blindness Control Society 503 509  Eye bank—define, activities, methods of corneal preservation.  Eye donation. 510 493  Answers  Cause of permanent/incursible.

	KHRN	BSAK	
Causes of preventable blindness.	496	503	J14(RS2), J03
Legal, economic and social plindness—define, three causes.	496	502	J10(RS2), D10(RS2), J11(RS2), D17(RS3), D00, J12, D13, D16
Vision 2020—objectives and diseases targeted.	499	515	D13(RS2), J15(RS3), D15(RS3), J17
5/ National Trachoma Control Program.	501	508	J10(RS2)
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7. What are the three levels of National Program for Control of Blindness?	503	506	J07
& District Blindness Control Society.	503	509	D09(RS2)
9. Childhood blindness (below three years)—causes.	506	505	D09(RS2), D11(RS2), J16(RS3), J07
10. Eye bank—functions.	509	493	J02
11/ Eye donation.	510	493	J19(RS3)
Section VI: Practic	al Ophthal	mology	
CHAPTER 23 CLINICAL METHODS IN OPHTHALMOLOGY			
Long Essays  1. A 55-year-old man comes with painless progressive diminution	514	264	D06
diagnosis.	514	264	D12(RS3)
loss of vision and discuss one cain detail.	ause		D09
3. Discuss the causes of sudden unliateral visual loss.	514		Conld

Contd		KHRN	BSAK	
1.	rt Essays  Differential diagnosis of gradual loss of vision.	514	264	D19(RS3)
	Differential diagnosis of sudden loss of vision.	514		J14(RS2)
3.	A 20-year-old boy presents with history of floaters in his left eye. Discuss the causes and outline the management.	515, 268		D00
4.	What are the causes of papillary hypertrophy of conjunctiva? What is the difference between a follicle and a papilla in the conjunctiva?	521	147	D02
5	Leukocoria (differential diagnosis).	526		J10(RS2), J06, D13
1	Cherry red spot—causes.	529	333	J18(RS3), J10
A.	Tonometry—different techniques.	530	283	J19(RS3), D19(RS3)
8.	Classify tonometer. Mention briefly advantages and disadvantages of each.	530	119	J13(RS3)
9.	Describe the assessment and significance of visual field analysis.	532	303	D12
10.	B-scan—its uses in ophthalmology.	542	569	D15
Shor	t Answers			D07(RS2)
X.	What is Imbert-Fick principle?		285	D18(RS3).
2	Sudden loss of vision—causes.	514		J04, J10
3.	Gradual loss of vision—three causes.	514	-	J05
4.	Black spots in front of eyes—three	515	-	D05
	causes.			J05, J16
5.	Diplopia—causes.	515		244/RS3).
	Colored halos—causes.	515		J15(RS3)
				J17 D13(RS2)
		516	103	002
	Snellen's chart and its applications.	519	134	
8.	What is physiological role of blinking?			
The state of the s	What complications can absence	A STATE OF THE PARTY OF	Section of the Sectio	conti

and de la contraction de la co	KHRN	BSAK	
What are the causes of follicles in the conjunctiva?	520	147	D06, D07
Mention three differences between	520	147	J17
Mention three importance differences  Mention three importance differences  between a conjunctival follicle and a  papilla.	521	147	D11
12. Decreased corneal sensation— causes.	523	111	D06
13/ Iris nodules—causes.	525		J17(RS3), J04, J06
14. Define: (a) Polycoria, (b) Anisocoria, (c) Leukocoria.	525	219	D00
15/ Mydriasis—define, causes.	525	115	J02, D11, J16
16. Name three pathological pupillary reactions.	526	44	J07
17. Leukocoria (causes).	526	382	D14, D15, D16
18. Cherry red spot—define, three causes.	529	333	D08(RS2), J12(RS2), J17(RS3), D01, J01, D04, D06, J13
19. Soft exudates in retina—causes.	529	351	J04, D07
20. Enumerate the various methods of recording intraocular pressure.	of 530	283	D00, J16
21. Classify tonometers.	530	283	J09(RS2)
22. Bitemporal hemianopia—define, causes.	two 530	44	J03
23. Give one cause and site of lesion (a) Bitemporal hemianopia, (b) Caecal scotoma, (c) Right sided	Centro	44, 364, 44	D00
homonymous hemianopia.  24. Mention the types of ultrasonog used in ophthalmology. Name to	ram 542 wo	2 568	D11
indications for their use.  25. A-scan biometry.	54	2 568	D18(RS3)  Gontd.

CHAPTER 24 CLINICAL OPHTHALMIC CASES  None  CHAPTER 25 DARKROOM PROCEDURES	
short Essays  1. What is retinoscopy? Write briefly the 591 90 D11  1. principle of retinoscopy.	
2. Tabulate differences between direct 609 94 J09 and indirect ophthalmoscopy.	
Chart Answers	
Gonioscopy (angle structures seen). 589 293 D15(R: J02, J1	63),
2/ Retinoscopy. 591 90 J14(RS	52)
3. Enumerate methods to assess the 596 575 D07 corneal curvature.	
Pinhole test (principle). 599 549 D14(R: D18(R: D19(R: D10))	S3),
5. Mention advantages and disadvantages between direct and indirect ophthalmoscopy.  609 94 J06	
CHAPTER 26 OPHTHALMIC INSTRUMENTS AND OPERATIVE OPHTHALMOLOGY	
Short Essay J18(RS	33)
1. Iridotomy. 632 407	
Short Answers 466 D18(R	53)
1. Enumerate types of anesthesia for intraocular surgery.	
2. Mention six anesthetic complications 629 of intraocular surgery.	

Contd.	KHRN	BSAK	
MISCELLANEOUS  Long Essay  Describe the various viral infections of			I10/Peax
the eye. How will you manage: short Essays			J10(RS2)
y Orbital apex syndrome.	-		J13(RS3)
Differential diagnosis of nodules near the limbus.			D09(RS2), D13(RS2)
3. Mention the causes of nodule at the limbus.			J14
4. Meibomian cell carcinoma.	-	143	D10(RS2)
Short Answers			
1. What is pseudohypopyon? Mention two conditions which cause pseudohypopyon.		114	J07, J16
2. Mention three ophthalmic manifestations of pituitary tumors.			J07
3. Mention three conditions where circumciliary congestion is seen.		146	J08
What is Hutchinson's triad?  5. Six causes of nodule at limbus.			D08 D10(RS2). J17

Otorhinolaryngology

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A CONTRACT				
	Question Bank	DNCB		
		DNGR	BNSL	
	Section I: Disease	s of Ear		
	CHAPTER 1 ANATOMY OF EAR			
	Long Essay			
	Describe briefly the anatomy of the middle ear cleft with a suitable labeled diagram.	5	7	J12(RS2), D18(RS3)
	Short Essays			
	1. Describe the normal tympanic membrane. Draw neat labeled diagram (of right side).	3	6	J04, J06, J12
	2. Anatomy of the middle ear cleft with diagram.	5	7	J11(RS2), D15(RS3), D16(RS3), J19(RS3), D05, J14
	3. Surgical anatomy of medial wall of the middle ear (draw a labeled diagram).		9	J08
	A. Middle ear contents and their functions.	9	10	D07(RS2)
	Short Answers			(1.02)
	1. Pinna—nerve supply.	3	4	J12, D13
	2. Tympanic membrane—anatomy/ labeled diagram (left/right).	3	6	J16(RS3), J10, D10
	Nerve supply of external auditory canal (external ear).	5	6	D11(RS2), J19(RS3), D08, J13
	4. Middle ear cleft and its contents.	5	7	J02, J17
	5. Draw labeled diagram of medial wall of middle ear.	7	10	D07
	6. MacEwen's triangle.	7	12	D13(RS2), D14(RS3), J19(RS3), D13, J14, J16
	7. Enumerate the cells of the mastoid air cell system.	7	13	D12
	8/ Intratympanic muscles (nerve supply).	9	11	J15(RS3)

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	DNGR	BNSL	
stapedius muscle.  Stapedius muscle.  Tympanic plexus.	9	11	J12 D09(RS2), J11, D14
CHAPTER 2 CHAPTE			
Describe the physiology and mechanism of hearing.	15	24	D07(RS2)
short Essays			
Theories of hearing.			J11(RS2), D16(RS3)
2. Organ of Corti.	15	16	J12(RS2), J13(RS3)
3. Physiology of hearing.	15	24	D15
Middle ear—impedance matching mechanism/transformer mechanism	16	25	J15(RS3), J06, D13
5. Role of cochlea in hearing.	17	17	D05
6. Physiology of equilibrium.	20	28	D16
Short Answers			
Discuss the theories of hearing.			J14(RS2)
2. Otoliths.	18		D14
CHAPTER 3 AUDIOLOGY AND ACOUSTICS			
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1. Decibel.	21	39	D08
CHAPTER 4 ASSESSMENT OF HEARING			
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1. How to assess a patient of hearing loss in outpatient department?    Tuning fork tests and their significant controls and their significant controls are the control of the contr	nce. 23	41	J19(RS3), D07, J08,
2 Tuning fork tests a			D08, D14

Short Essays	DNGR		
Treatment of bilateral profound hearing loss.		BNSI.	
2. Classify hearing loss and enumerate the causes of conductive hearing loss	31	51	D03
Conductive deafness (causes).	31	51	115
4 Tympanoplasty (classification).			D08(R82), D00, J01, D04
5. Sensonneural (SN) deafness—causes.	31	438	D08, J11, D16
	34	59	J03
Ototoxicity (ototoxic drugs and management).	35	61	D08(RS2), D17(RS3),
			D00, D02, D04, D14, J16, J17
Noise-induced hearing loss.	36	63	D09(RS2), J13
Sudden SN hearing loss—causes and management.	38	64	D15(RS3), J17(RS3)
9. Sudden hearing loss (causes).	38	64	J05
Presbyacusis (senile deafness)— management.	39	65	J14(RS2), J07, D10, J15
1. Unilateral sensorineural deafness. hort Answers	41	59	D12
Discuss prerequisite for successful type I tympanoplasty.	31		D07
- SCHENT	35	61	J16(RS3) D05, D06
Accustic trauma.  Sudden hearing loss.  Malini	36	63	J12(RS2) J13(RS3)
Malingering loss.	38	64	J16(RS3)
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	52	90	
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Otomycosis.	55	89	D16
			J09(RS2), D19(RS3), D02, D07, J10, J12, D15
Malignant otitis externa (etiology, clinical features and management).	55	92	D10(RS2), J17(RS3), D17(RS3), D18(RS3), J02, D06, J09, D11
8. Aural syringing—indications,	EC		D13, J14
contraindication, procedure and complications.	56	91	J04, J08
7. Foreign body in external auditory canal—types, causes and management.	57	88	D03, J10
8 Keratosis obturans.	58	90	J02, D05, D11, D12, J16, J17
9. Traumatic perforation of the ear (tympanic membrane)—treatment.	59	94	J19(RS3),
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2 Otitis externa.		86	J06, D06
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Otomus.			J13
Otomycosis (organisms causing/ management).	55	90	D11(RS2) J17(RS3) J04, J06, J07, D10
Malignant otitis externa.			
	55	92	J10(RS2) J04, D08
Cerumen (wax)—management.	56	91	J01, J03, D06

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6. Aural syringing—indications.	56		J14
6. Aural syninging  / Foreign bodies in the ear.	57	88	J08(RS2)
7. Foreign boules  Keratosis obturans.	58	90	J08(RS2), J12(RS2), J13(RS3), D07, J15
9. Traumatic perforation of tympanic membrane.	59	93	D09(RS2)
10. Tympanosclerosis.	59	93	D05, D13
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1. Eustachian tube.			D16
Z. Eustachian tube patency tests.	62	97	J10(RS2)
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1/ Eustachian tube.	61	95	D09(RS2)
2. Valsalva maneuver.	62	98	D05
CHAPTER 10 DISORDERS OF MIDDLE EAR Long Essays  1. Acute suppurative otitis media— etiology, pathology, symptoms, signs,	67	101	D12(RS3). J15(RS3).
diagnosis and treatment.			J16(RS3), J19(RS3), D07, D08
2. Enumerate the causes of conductive hearing loss with intact tympanic membrane. Describe the etiology, clinical features and management of serous otitis media (secretory otitis media/otitis media with effusion in a 4-year-old child).	32, 69	52,	J06, J15
3. Nonsuppurative otitis media— etiology, pathology, clinical features, investigations and management.	71	105	J17

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1 Acute suppurative otitis media_			
treatment (surgical).	67	101	
			J18(RS3), D18(RS3),
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with effusion/Glue ear-management.	69	105	D13(RS2),
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			J05, J10, D10, J10,
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CHOLESTEATOMA AND CHRONIC			
SUPPURATIVE OTITIS MEDIA			
Define cholesteatoma. Describe	73	440	
its classification, etiopathogenesis,	13	110	J13(RS3), J17(RS3),
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2 Enumerate the common causes	32, 75	114	D11(RS2),
of conductive deafness. Discuss in detail the etiology, pathology.			J07
clinical features and management			
of tubotympanic type of chronic			
suppurative otitis media.			
3. What is cholesteatoma? Describe the	73, 78,	110	D13(RS2),
etiology, pathology, clinical features	83		D01, J05,
and management of atticoantral type			D14
of chronic suppurative otitis media.			
Discuss briefly the complications of atticoantral disease.			
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1 Cholesteatoma—etiopathogenesis	15		D10(RS2).
(theories of formation of cholesteatoma), management.			D14(RS3), J18(RS3),
Onolesteatoma, management			J11, D14
		440	D06
2. Draw neat labeled diagrams showing	77	110	
different types of perforations of the			
tympanic membrane.			
			and the second

Col	ntd			
		DNGR	BNSL	
SI	nort Answers	72		
	What is cholesteatoma? Mention in brief about theories of its formation.	73	110	D07, D16
2	Classify cholesteatoma.	74	111	D02 10
, 3	Perforation in pars tensa (types and clinical significance).	76	109	D02, J04 D01, D10, D15
CH	APTER 12 MPLICATIONS OF OTITIS MEDIA			
Lor	ng Essays	00 00	440	
1.	Enumerate the complications of otitis media. Discuss the management of atticoantral type of chronic suppurative otitis media (CSOM).	83, 80	118,	D12
2.	Give an account of complications of CSOM and name the warning signs to detect such complications in a case of CSOM.	83	118	D11
3.	Enumerate extracranial complications of chronic suppurative otitis media. Discuss any one in detail.	83	118	J09
4.	Classify and enumerate the complications of suppurative otitis media. Discuss the clinical features and management of lateral sinus thrombophlebitis.	83, 92	118,	J04, D06
B.	Discuss the etiopathology, clinical features, complications and management of acute (coalescent) mastoiditis.	84	118	J11(RS2), D15(RS3), D16(RS3), J13, J14
Shor	t Essays			
1.	Extratemporal complications of chronic suppurative otitis media.		120	D08(RS2)
Z.	Complication of CSOM.	83	118	J18(RS3),
3.	Sequel of otitis media.			J14
A.	Intratemporal complications of CSOM.	84	117	D19(RS3)
-	ricule codlescent master was	84	118	D09(RS2)
	and symptoms).	84	118	D12(RS3). J03, D15, J16
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untd.	DNGR	BNSL	
Outline differences of acute mastoiditis with furuncle of external auditory canal (EAC).	86	120	D08
y Acute mastoid abscess.	86	120	D10(RS2), J19(RS3)
Differential diagnosis of post-aural. abscess.	86	121	J08(RS2)
g! Gradenigo's syndrome.	88	121	J12(RS2), J13(RS3)
6. Lateral sinus thrombosis.  Short Answers	92	126	J09(RS2)
Mention extracranial complications of CSOM.	83	118	J01
2. List intracranial complications of CSOM	. 84	118	J03
3. Pathology of surgical mastoiditis.	84	119	D03
4. Furunculosis of ear.	86	120	D15
5/ Bezold's abscess.	87	121	J12(RS2), J13(RS3)
8. Gradenigo's syndrome.	88	121	D09(RS2), D00, D04, J07
7. Lateral sinus thrombosis.	92	126	D07(RS2)
8. Griensinger's sign.	93	127	J11, D11
9. Otitic hydrocephalus.	93	127	D13
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